

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042319\
 Data File : VN055197.D
 Acq On : 23 Apr 2019 11:23
 Operator : JC/SP
 Sample : VN0423WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Manual Integrations
 APPROVED

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 4/24/2019 12:44:31 PM

Quant Time: Apr 23 15:39:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	393357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	660041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	560005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	275279	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	7.59	113	219071	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.09	98	812113	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	254362	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	116558	23.014	ug/l	98
3) Chloromethane	2.06	50	135551	21.842	ug/l	98
4) Vinyl Chloride	2.19	62	106690	21.455	ug/l	96
5) Bromomethane	2.56	94	58745	20.370	ug/l	98
6) Chloroethane	2.70	64	54231	20.691	ug/l	97
7) Trichlorofluoromethane	3.02	101	145400	21.486	ug/l	96
8) Diethyl Ether	3.41	74	52629	21.789	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	85841	20.328	ug/l	98
10) Methyl Iodide	3.96	142	125345	21.167	ug/l	99
11) Tert butyl alcohol	4.78	59	33011	106.202	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	85914	21.229	ug/l	95
13) Acrolein	3.61	56	40799	93.739	ug/l	98
14) Allyl chloride	4.33	41	168871	21.108	ug/l	99
15) Acrylonitrile	4.99	53	184629	108.306	ug/l	99
16) Acetone	3.82	43	166499	94.598	ug/l	97
17) Carbon Disulfide	4.06	76	234710	20.745	ug/l	100
18) Methyl Acetate	4.33	43	89947	23.178	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	241410	21.575	ug/l	96
20) Methylene Chloride	4.55	84	101258	20.012	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	89506	21.091	ug/l	97
22) Diisopropyl ether	5.95	45	338001	21.195	ug/l	96
23) Vinyl Acetate	5.90	43	1192150	111.244	ug/l	99
24) 1,1-Dichloroethane	5.85	63	181527	21.162	ug/l	100
25) 2-Butanone	6.84	43	229879	101.165	ug/l	98
26) 2,2-Dichloropropane	6.82	77	119733	20.627	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	107286	21.931	ug/l	96
28) Bromochloromethane	7.19	49	91537	20.935	ug/l	99
29) Tetrahydrofuran	7.21	42	155144	111.045	ug/l	97
30) Chloroform	7.37	83	169317	20.751	ug/l	97
31) Cyclohexane	7.65	56	175225	21.066	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	136753	20.862	ug/l	99
36) 1,1-Dichloropropene	7.79	75	127553	20.821	ug/l	99
37) Ethyl Acetate	6.93	43	98961	20.016	ug/l #	95
38) Carbon Tetrachloride	7.77	117	117134	20.418	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139499	19.087	ug/l	99
40) Benzene	8.04	78	389292	20.585	ug/l	98
41) Methacrylonitrile	7.18	41	57741	22.276	ug/l	97
42) 1,2-Dichloroethane	8.12	62	134971	20.458	ug/l	100
43) Isopropyl Acetate	8.16	43	166165	20.755	ug/l #	88
44) Trichloroethene	8.84	130	95946	20.073	ug/l	99
45) 1,2-Dichloropropane	9.12	63	106740	19.996	ug/l	99
46) Dibromomethane	9.21	93	62691	20.515	ug/l	97
47) Bromodichloromethane	9.40	83	124477	20.348	ug/l	97
48) Methyl methacrylate	9.20	41	76609	19.727	ug/l	99
49) 1,4-Dioxane	9.20	88	19262	429.493	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	465584	101.062	ug/l	99
52) Toluene	10.16	92	224969	20.292	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	114576	20.409	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143489	20.596	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	83353	20.393	ug/l	99
56) Ethyl methacrylate	10.43	69	104758	20.574	ug/l	99
57) 1,3-Dichloropropane	10.71	76	144920	20.379	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	164649	91.417	ug/l	98
59) 2-Hexanone	10.75	43	294530	101.215	ug/l	100
60) Dibromochloromethane	10.90	129	86074	20.446	ug/l	97
61) 1,2-Dibromoethane	11.00	107	79647	20.726	ug/l	100
64) Tetrachloroethene	10.63	164	90278	19.761	ug/l	98
65) Chlorobenzene	11.43	112	224962	19.681	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84803	20.018	ug/l	100
67) Ethyl Benzene	11.51	91	413401	20.304	ug/l	99
68) m/p-Xylenes	11.62	106	298281	40.845	ug/l	100
69) o-Xylene	11.95	106	147815	20.396	ug/l	99
70) Styrene	11.96	104	240111	21.374	ug/l	99
71) Bromoform	12.13	173	51271	20.281	ug/l #	96
73) Isopropylbenzene	12.25	105	397131	21.607	ug/l	99
74) N-amyl acetate	12.07	43	114636	20.590	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103313	22.166	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72728m	16.601	ug/l	
77) Bromobenzene	12.52	156	92648	19.434	ug/l	99
78) n-propylbenzene	12.59	91	430451	19.877	ug/l	99
79) 2-Chlorotoluene	12.67	91	267062	19.530	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	321873	19.911	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22365	19.353	ug/l	100
82) 4-Chlorotoluene	12.77	91	250624	19.920	ug/l	100
83) tert-Butylbenzene	12.99	119	273606	21.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	303727	19.910	ug/l	100
85) sec-Butylbenzene	13.17	105	357343	19.539	ug/l	98
86) p-Isopropyltoluene	13.29	119	296671	19.690	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	147962	20.219	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	140730	19.752	ug/l	98
89) n-Butylbenzene	13.61	91	219890	19.689	ug/l	96
90) Hexachloroethane	13.87	117	50484	18.893	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	148002	19.690	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12817	19.546	ug/l	98

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ClientSampleId :
VN0423WBSD01

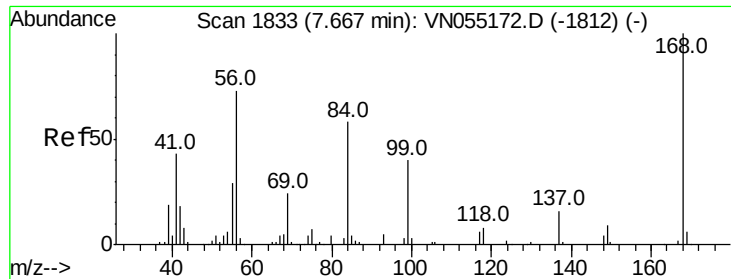
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49456	17.459	ug/l	98
94) Hexachlorobutadiene	15.01	225	50263	21.656	ug/l	98
95) Naphthalene	15.13	128	101226	16.984	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	51914	17.885	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

VN0423WBSD01

Tot Ion:168 Resp: 393357

Ion Ratio Lower Upper

168 100

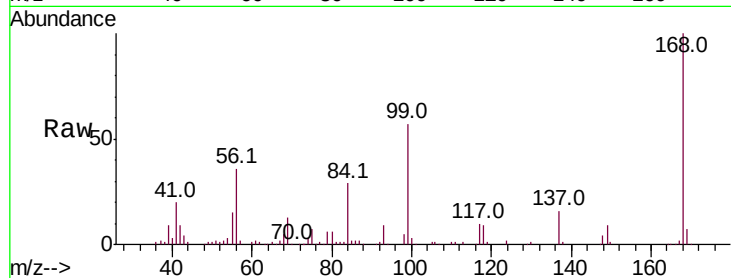
99 55.2 42.0 63.0

Manual Integrations

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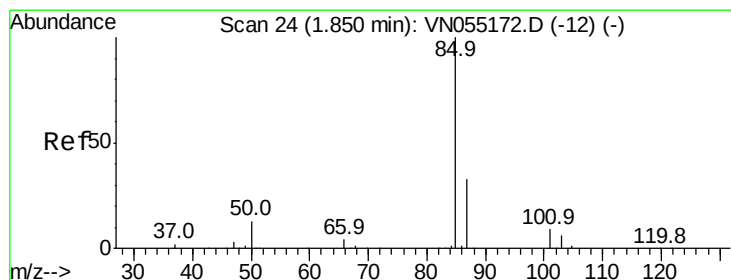
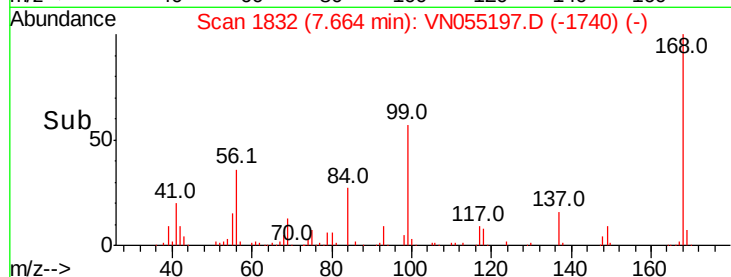
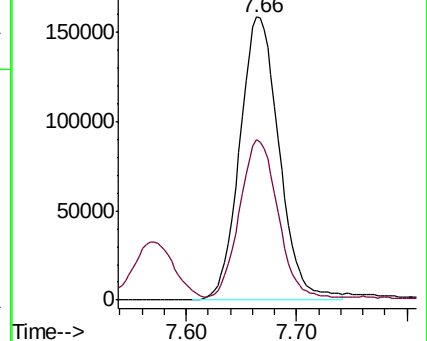
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 23.014 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055197.D

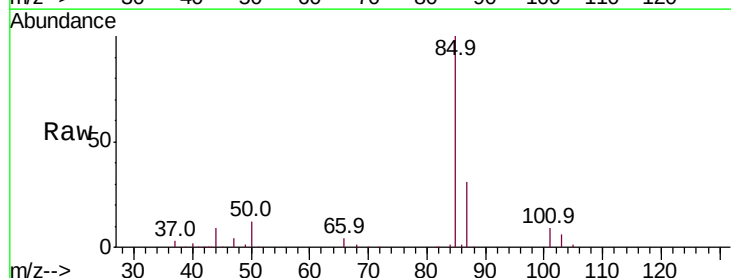
Acq: 23 Apr 2019 11:23

Tgt Ion: 85 Resp: 116558

Ion Ratio Lower Upper

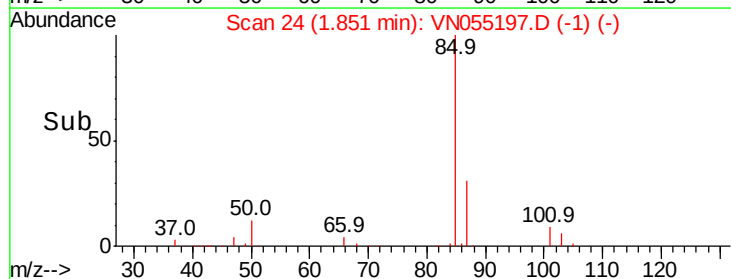
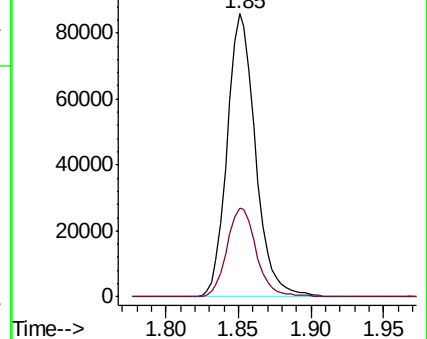
85 100

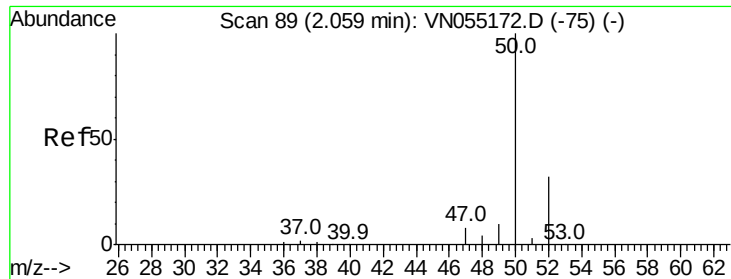
87 31.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 21.842 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBSD01

Tot Ion: 50 Resp: 135551

Ion Ratio Lower Upper

50 100

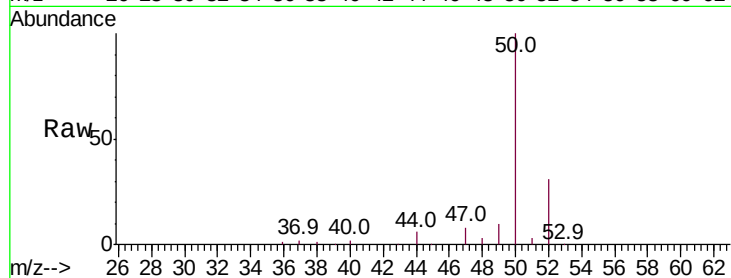
52 31.3 25.8 38.6

Manual Integrations

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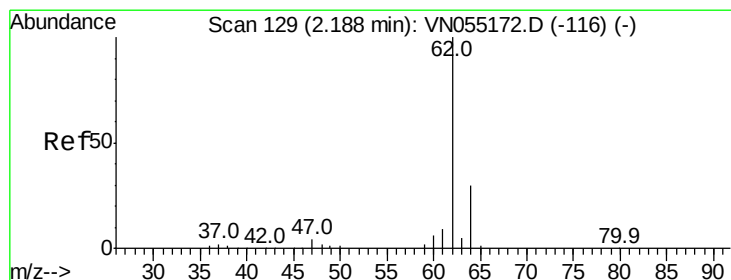
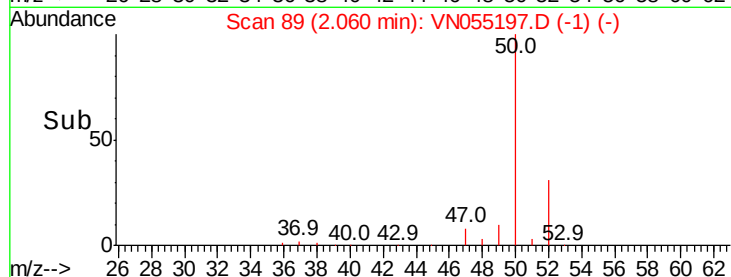
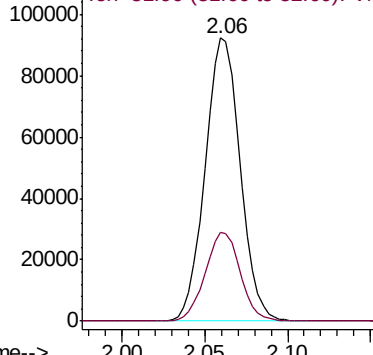
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 21.455 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055197.D

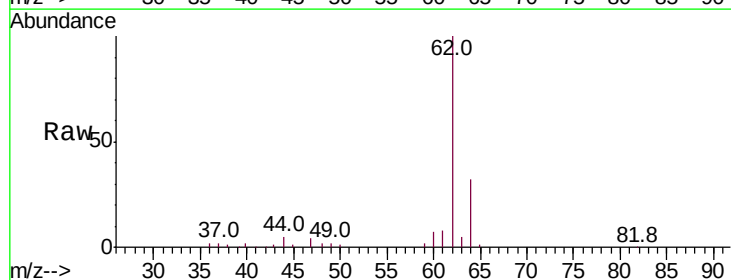
Acq: 23 Apr 2019 11:23

Tgt Ion: 62 Resp: 106690

Ion Ratio Lower Upper

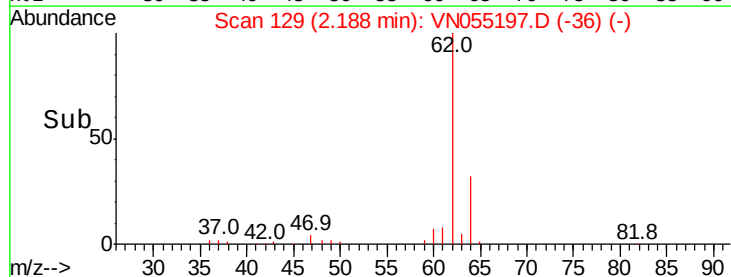
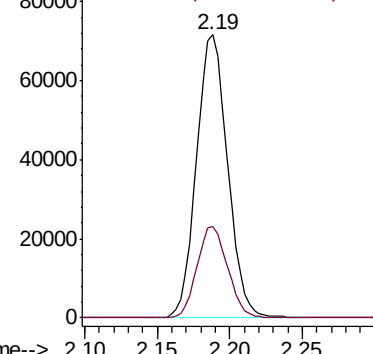
62 100

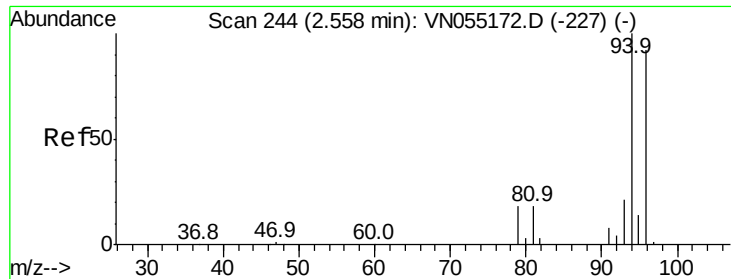
64 32.4 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





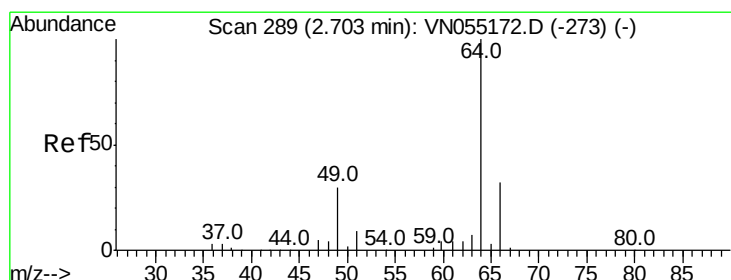
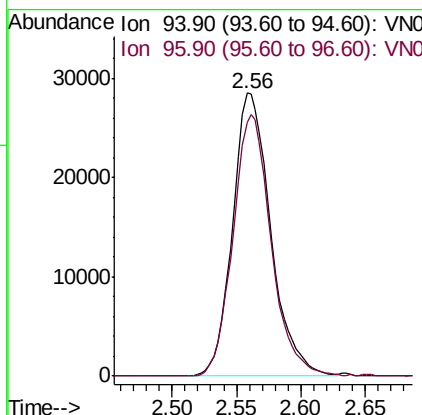
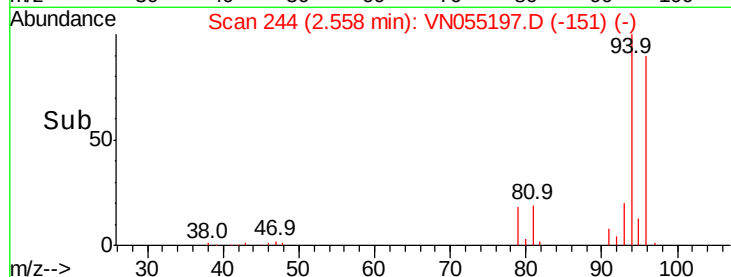
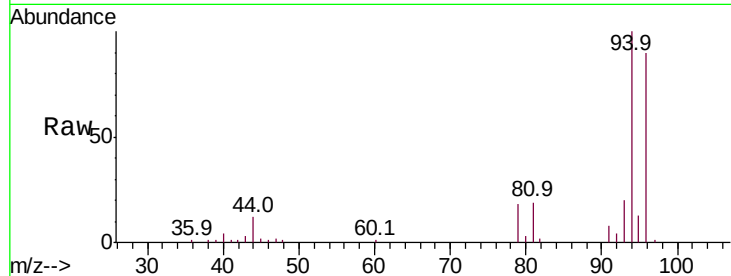
#5
Bromomethane
Concen: 20.370 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
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Tot Ion: 94 Resp: 58745
Ion Ratio Lower Upper
94 100
96 89.6 73.4 110.2

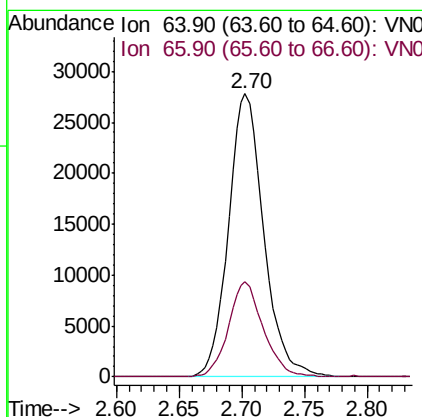
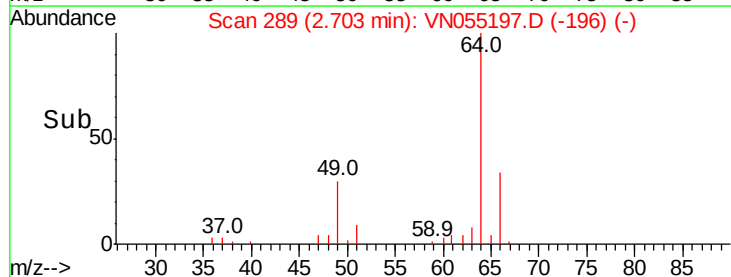
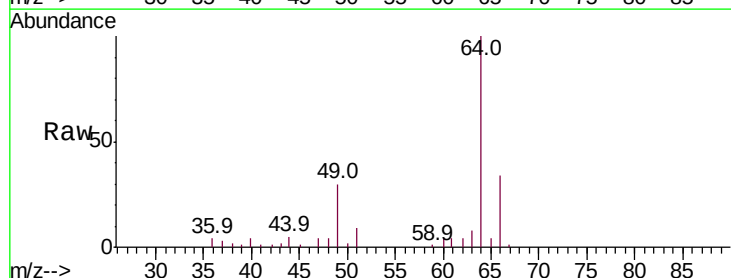
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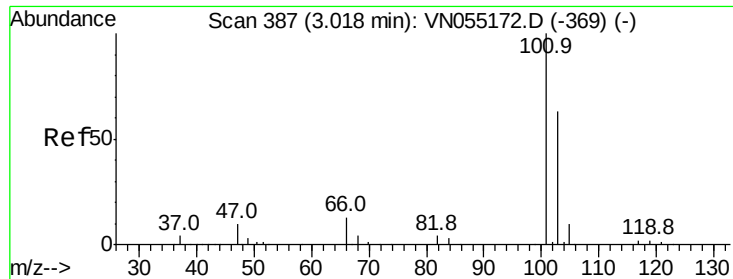
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#6
Chloroethane
Concen: 20.691 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion: 64 Resp: 54231
Ion Ratio Lower Upper
64 100
66 33.9 25.9 38.9





#7

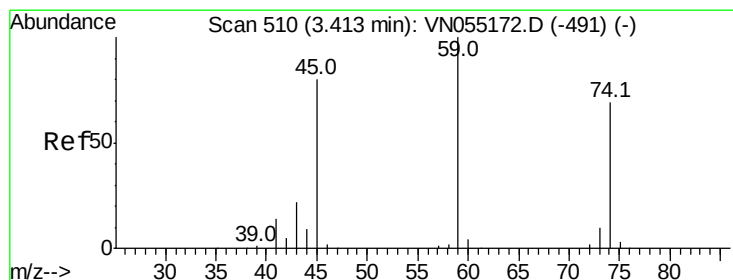
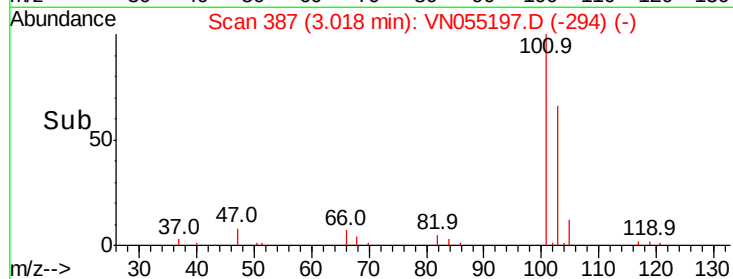
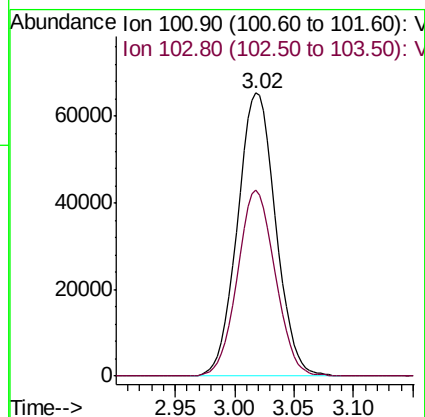
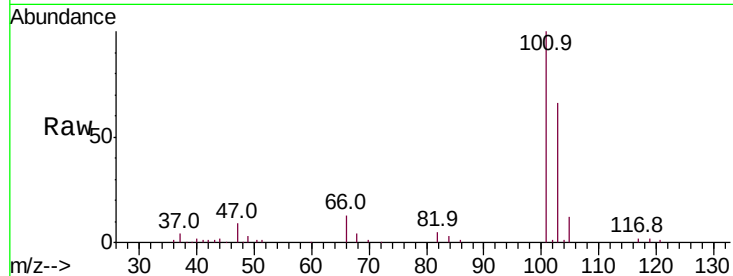
Trichlorofluoromethane
Concen: 21.486 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0423WBSD01

Tot Ion:101 Resp: 145400
Ion Ratio Lower Upper
101 100
103 65.5 50.1 75.1

Manual Integrations
APPROVED

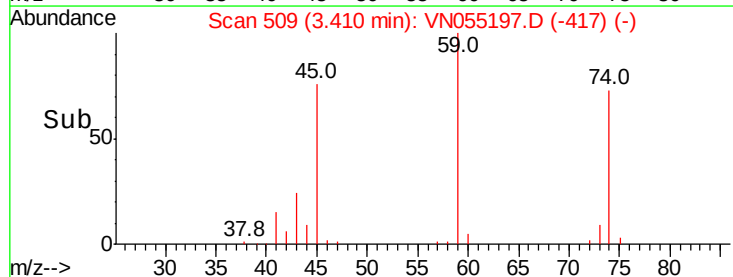
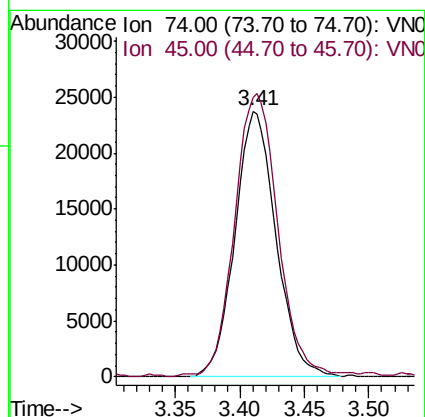
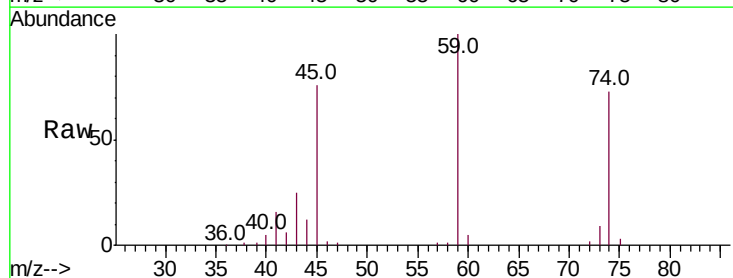
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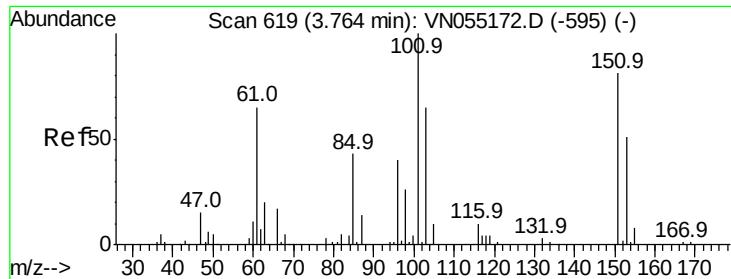


#8

Diethyl Ether
Concen: 21.789 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion: 74 Resp: 52629
Ion Ratio Lower Upper
74 100
45 113.4 56.9 170.6





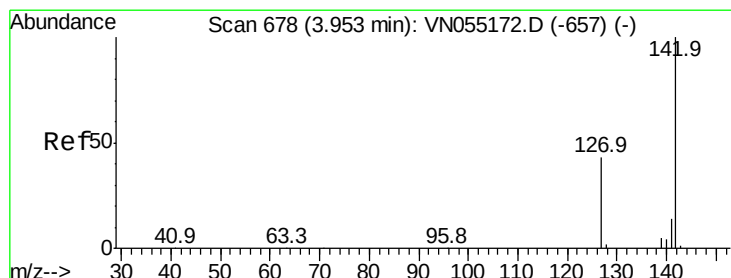
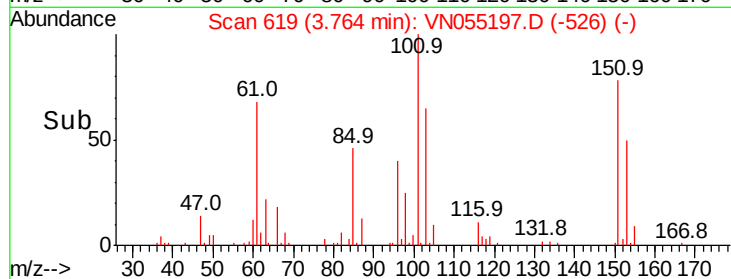
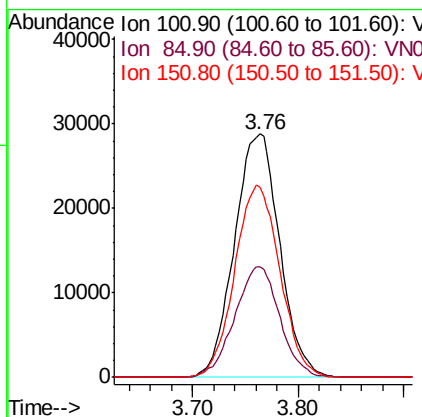
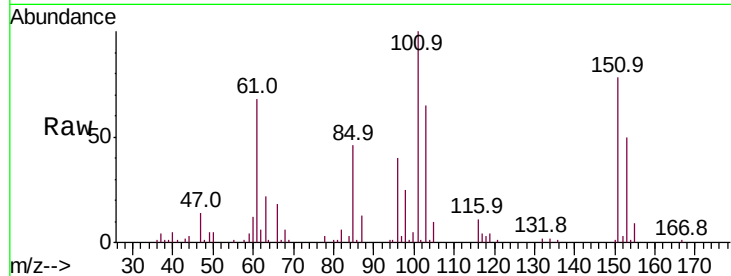
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.328 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.4	34.9	52.3
151	78.8	63.8	95.8

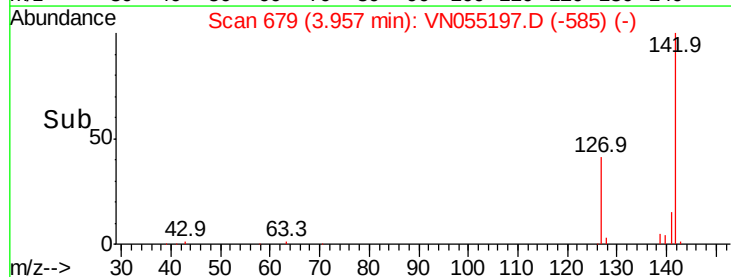
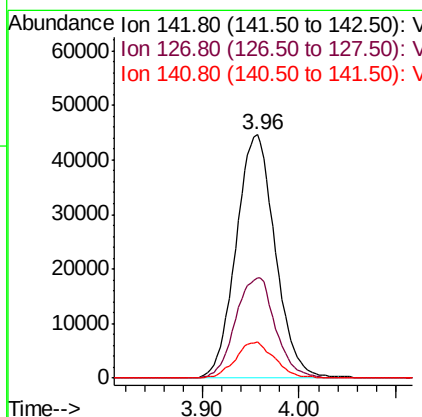
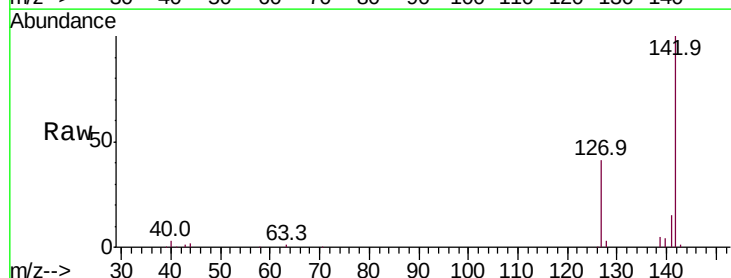
Manual Integrations
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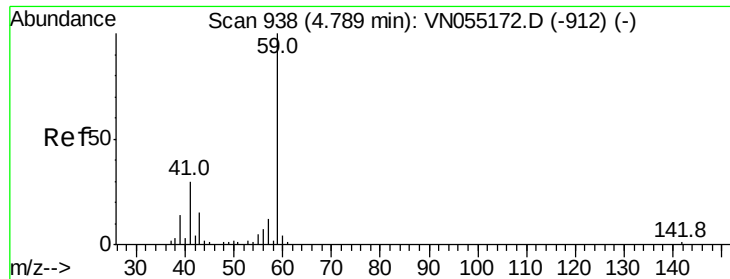
MMDadoda
 4/24/2019 12:44:31 PM



#10
 Methyl Iodide
 Concen: 21.167 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.0	34.1	51.1
141	14.8	11.4	17.2





#11

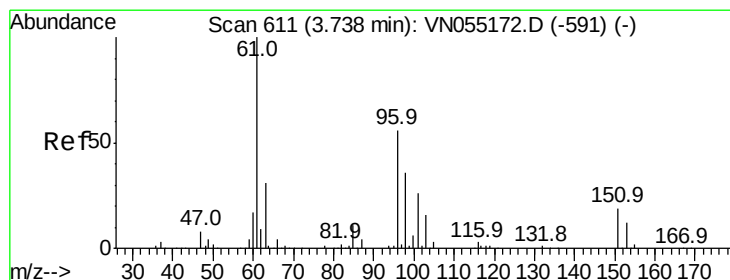
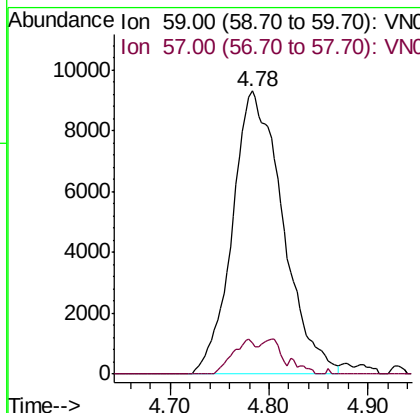
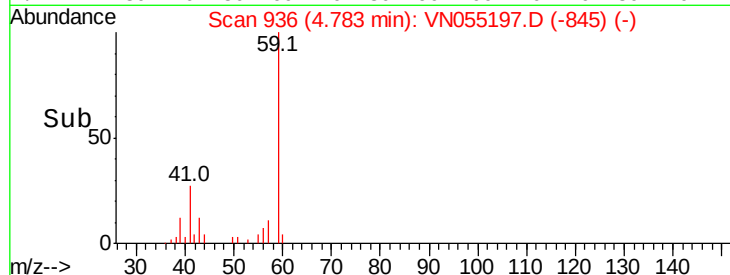
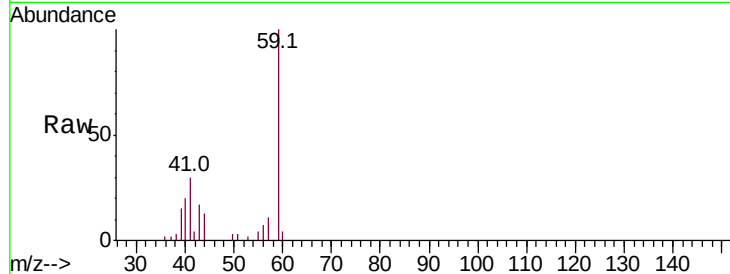
Tert butyl alcohol
Concen: 106.202 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	8.8	13.2#

Manual Integrations
APPROVED

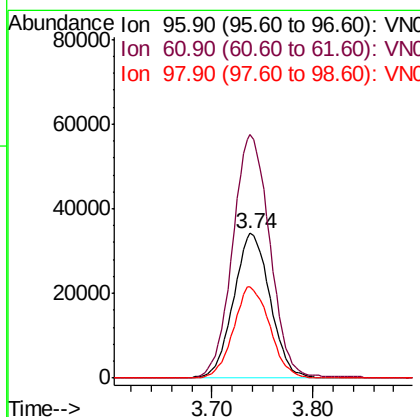
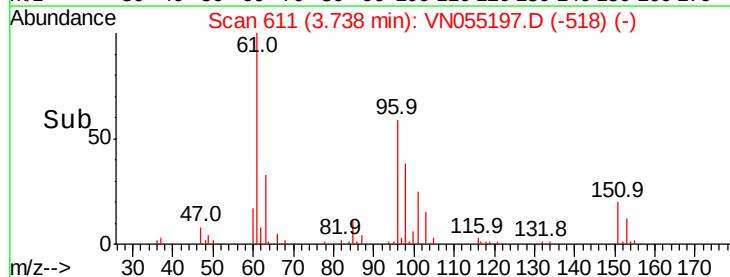
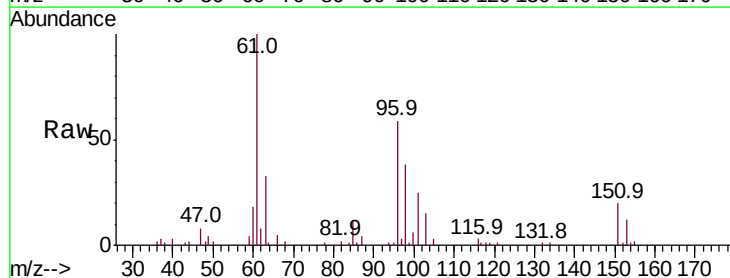
MMDadoda
4/24/2019 12:44:31 PM

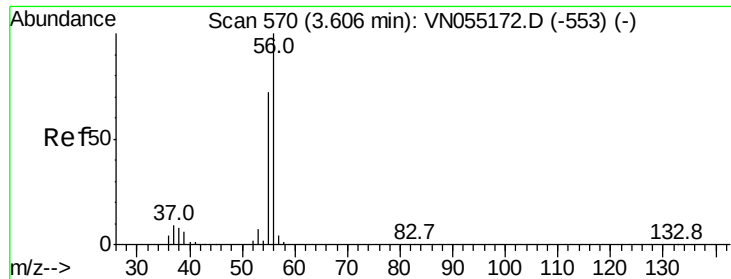


#12

1,1-Dichloroethene
Concen: 21.229 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.5	142.1	213.1
98	63.5	51.2	76.8





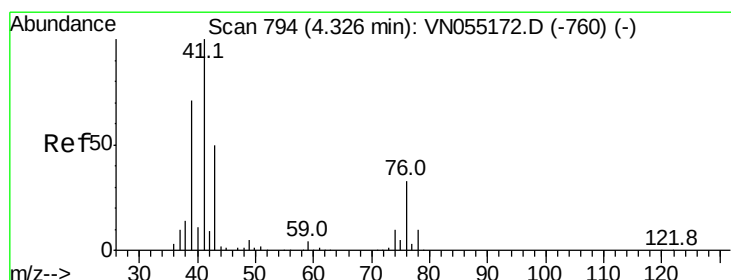
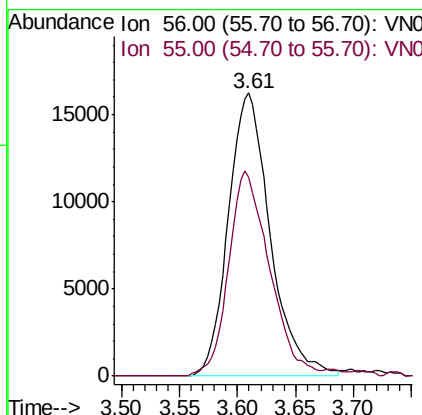
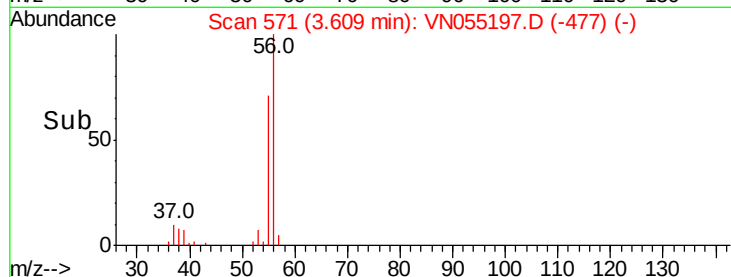
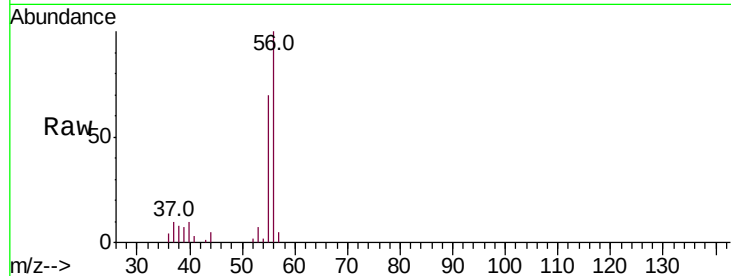
#13
Acrolein
Concen: 93.739 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	56	Resp	40799
Ion Ratio	Lower	Upper	
56	100		
55	70.3	57.4	86.0

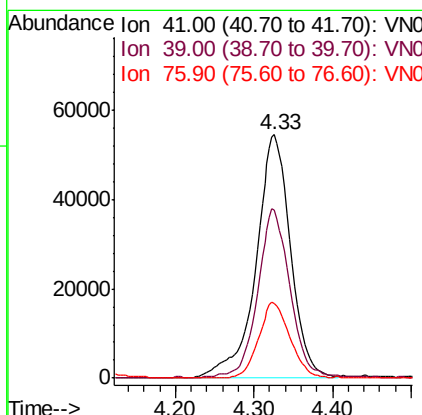
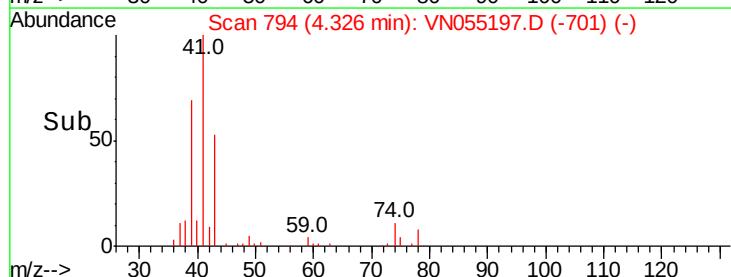
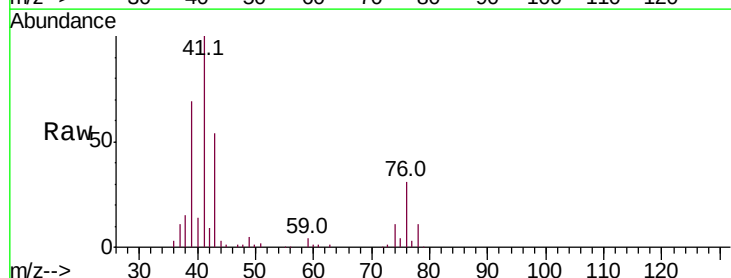
Manual Integrations
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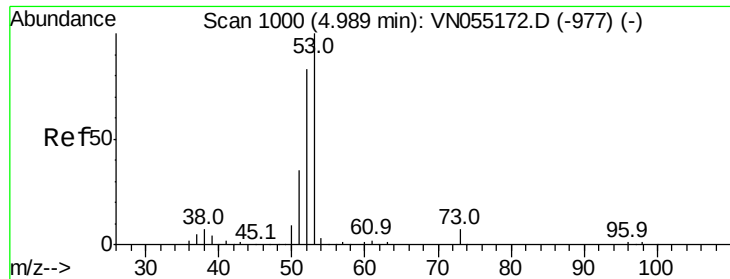
MMDadoda
4/24/2019 12:44:31 PM



#14
Allyl chloride
Concen: 21.108 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	41	Resp	168871
Ion Ratio	Lower	Upper	
41	100		
39	65.7	52.9	79.3
76	28.3	23.6	35.4





#15

Acrylonitrile

Concen: 108.306 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

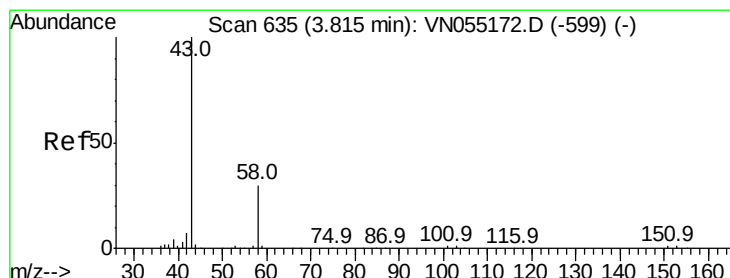
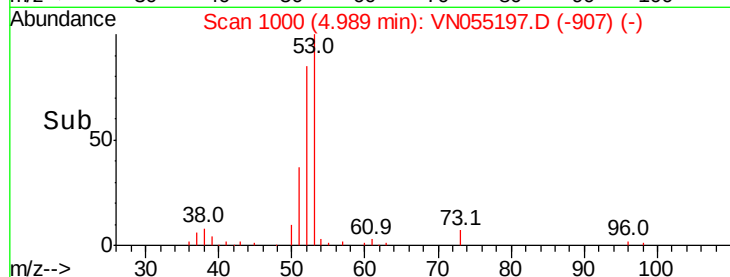
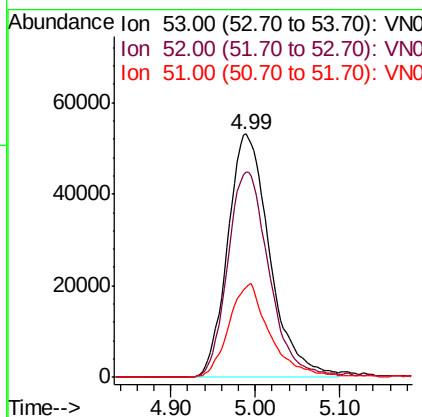
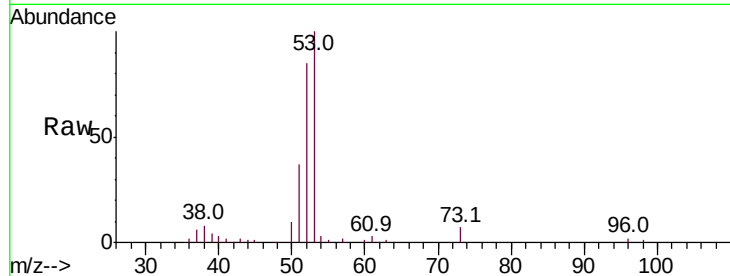
ClientSampleId :

VN0423WBSD01

Tot Ion:	53	Resp:	184629
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.8	98.8
51	37.6	28.9	43.3

Manual Integrations
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4/24/2019 12:44:31 PM



#16

Acetone

Concen: 94.598 ug/l

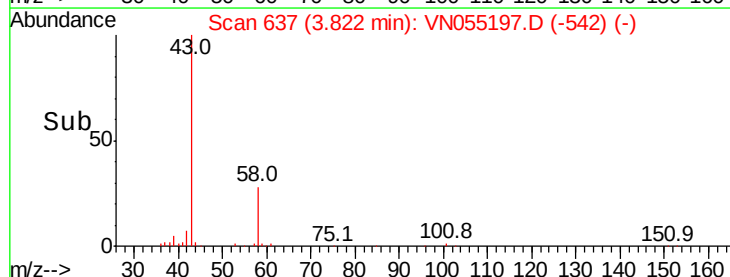
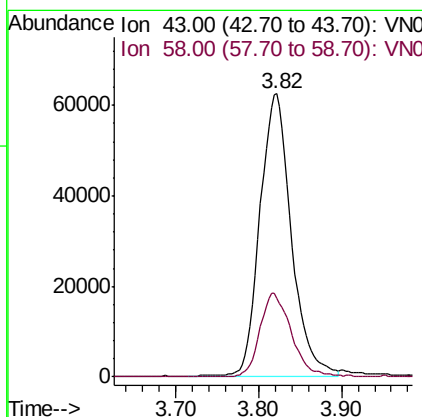
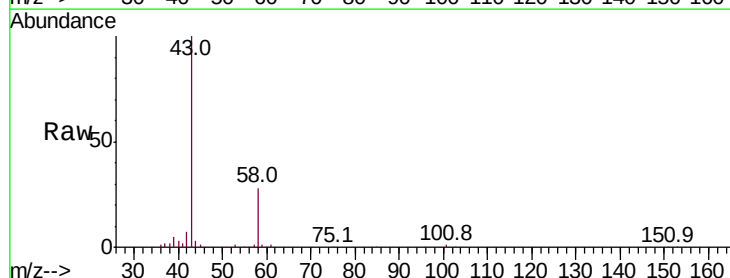
RT: 3.82 min Scan# 637

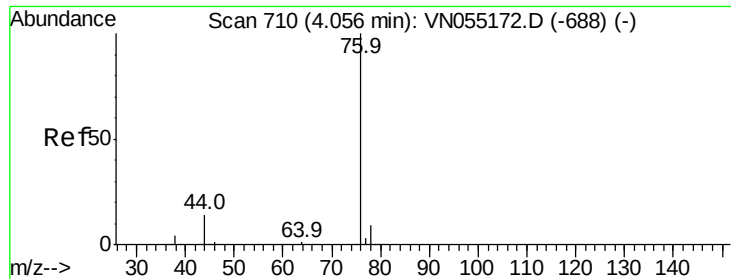
Delta R.T. 0.01 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	43	Resp:	166499
Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.8	35.8





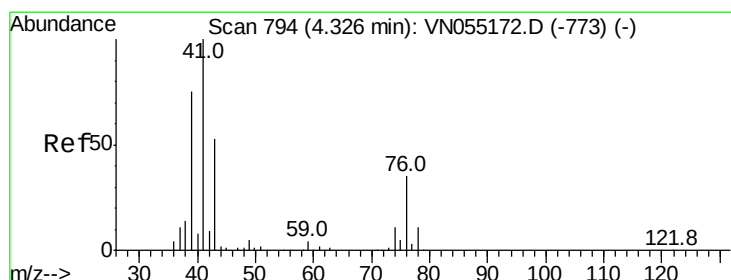
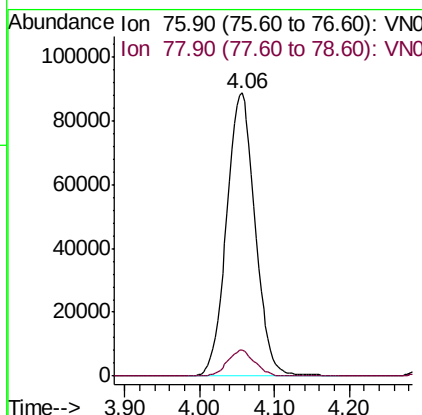
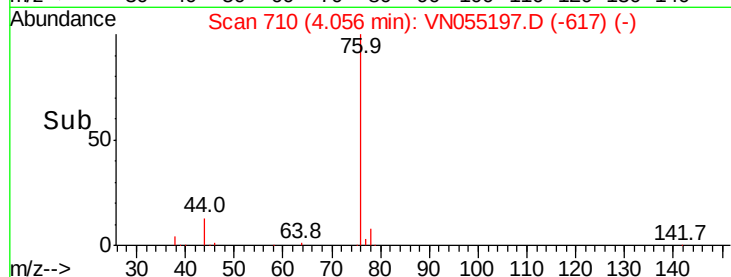
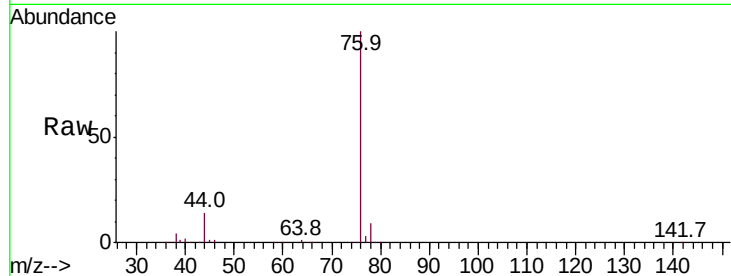
#17
Carbon Disulfide
Concen: 20.745 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

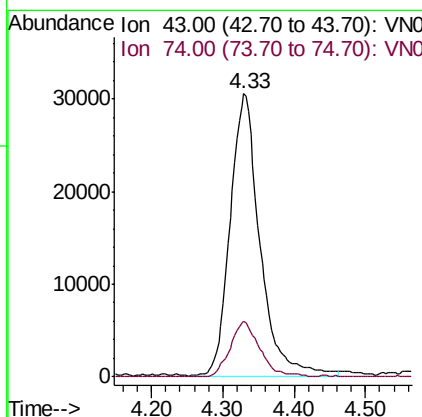
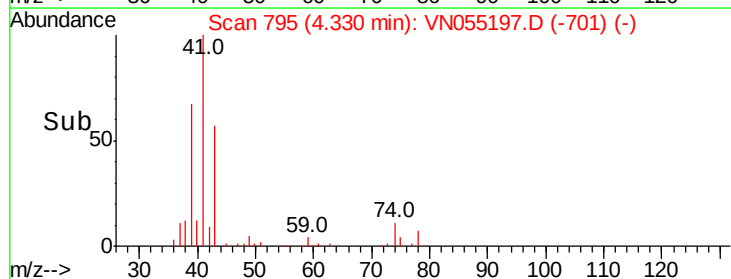
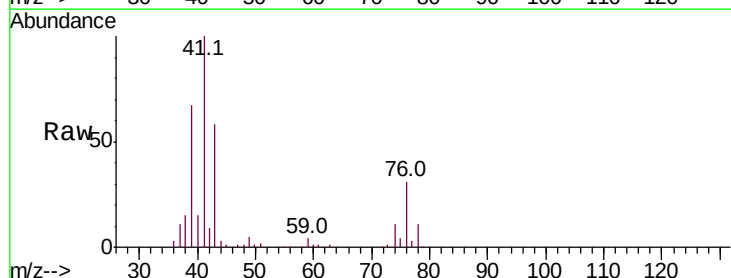
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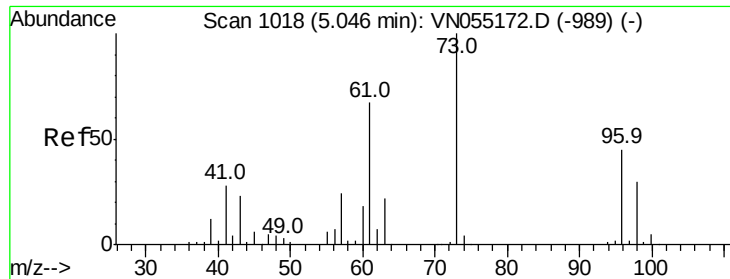
MMDadoda
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#18
Methyl Acetate
Concen: 23.178 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.9	16.7	25.1





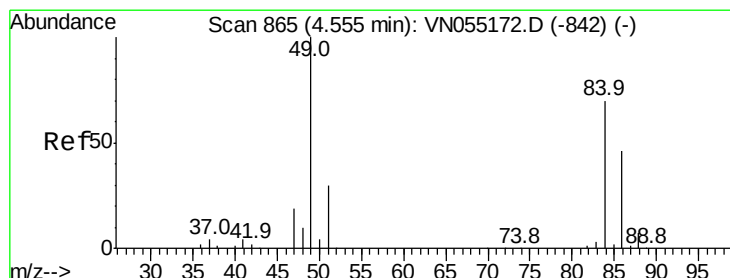
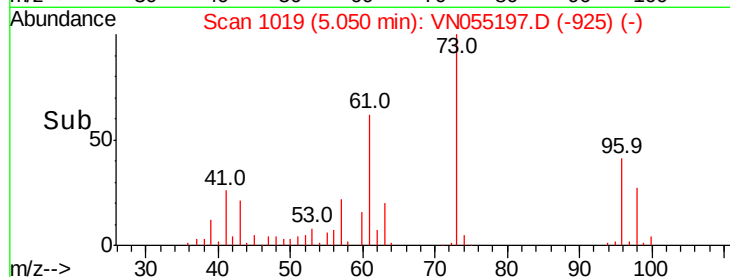
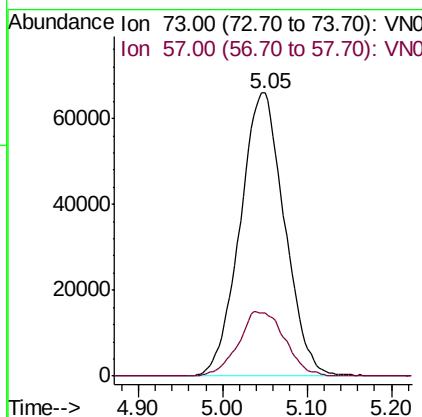
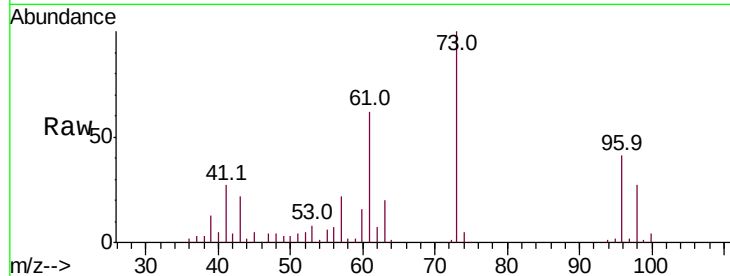
#19
Methyl tert-butyl Ether
Concen: 21.575 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0423WBSD01

Tot Ion: 73 Resp: 241410
Ion Ratio Lower Upper
73 100
57 22.3 19.5 29.3

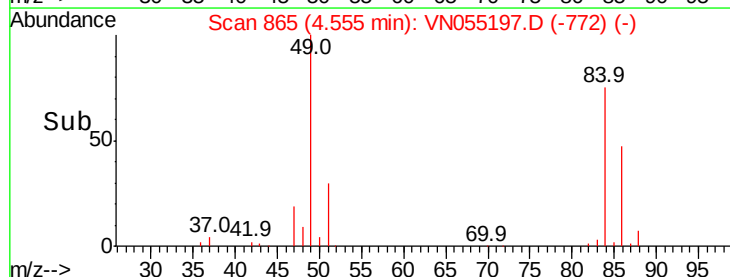
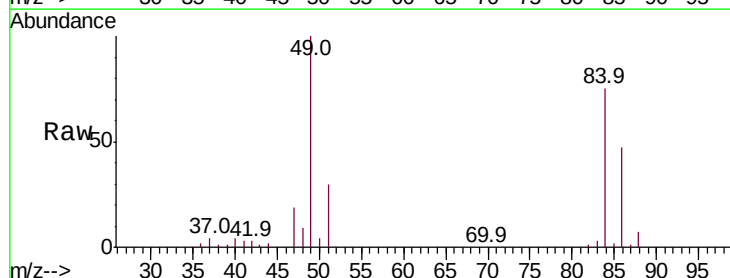
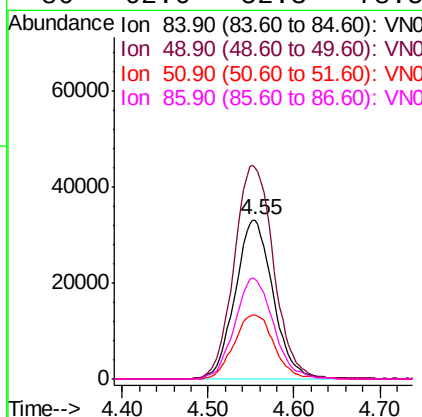
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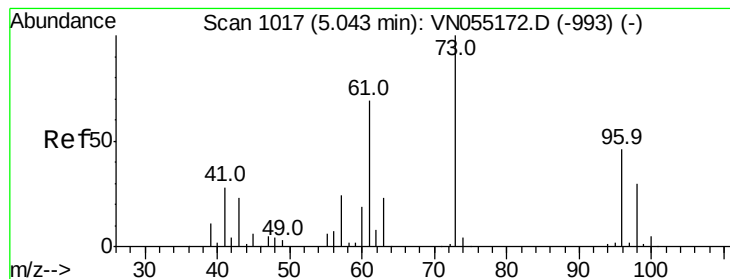
MMDadoda
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#20
Methylene Chloride
Concen: 20.012 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion: 84 Resp: 101258
Ion Ratio Lower Upper
84 100
49 132.9 113.8 170.6
51 40.2 34.0 51.0
86 62.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.091 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBSD01

Tot Ion: 96 Resp: 89506

Ion Ratio Lower Upper

96 100

61 153.4 119.3 178.9

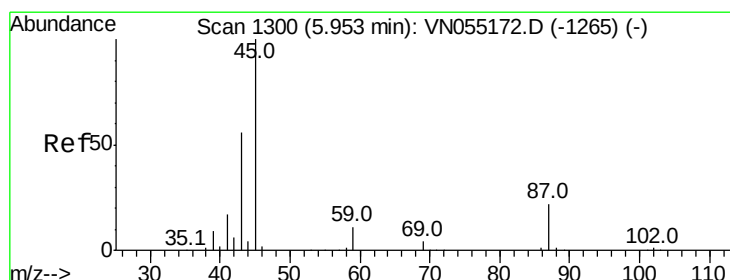
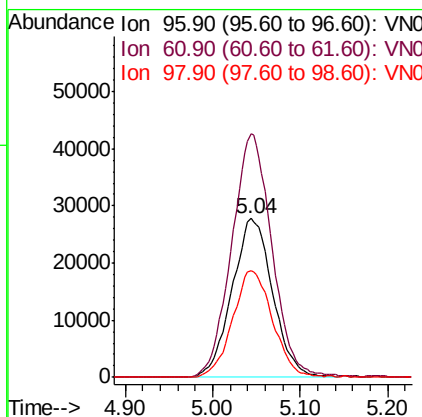
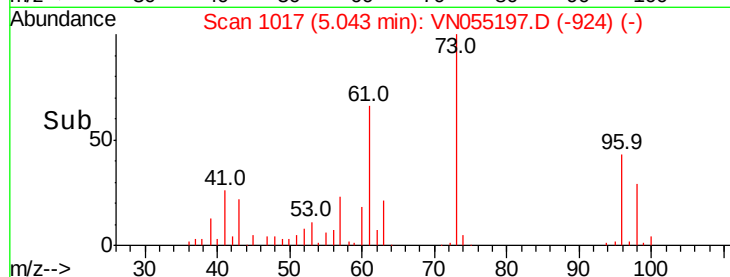
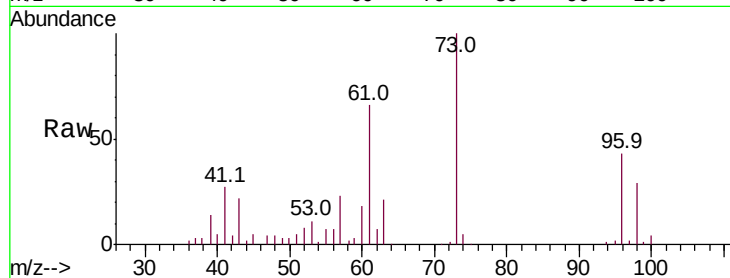
98 67.3 53.0 79.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.195 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Tgt Ion: 45 Resp: 338001

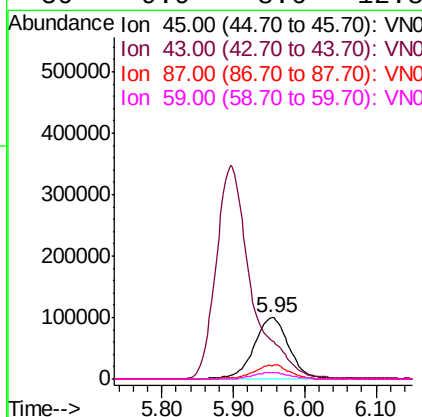
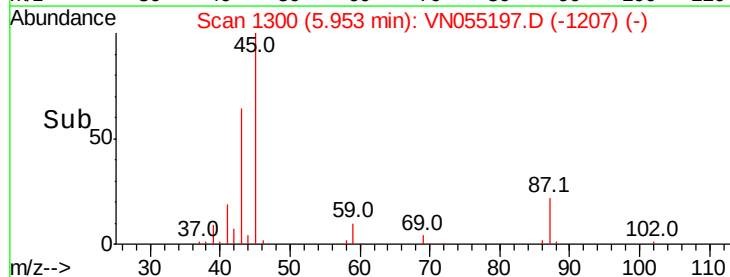
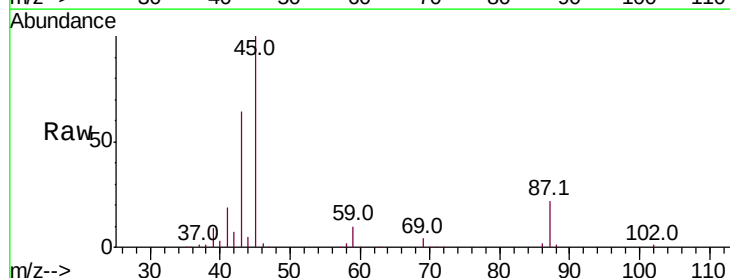
Ion Ratio Lower Upper

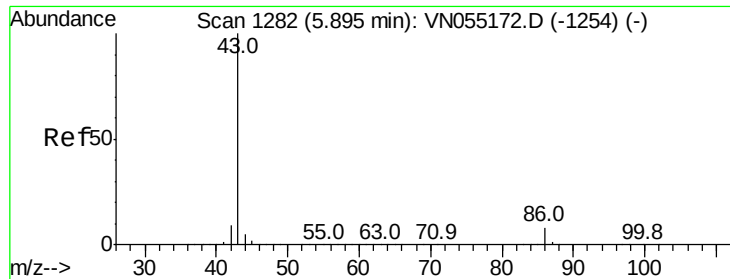
45 100

43 62.6 47.4 71.0

87 21.6 18.4 27.6

59 9.9 8.6 12.8





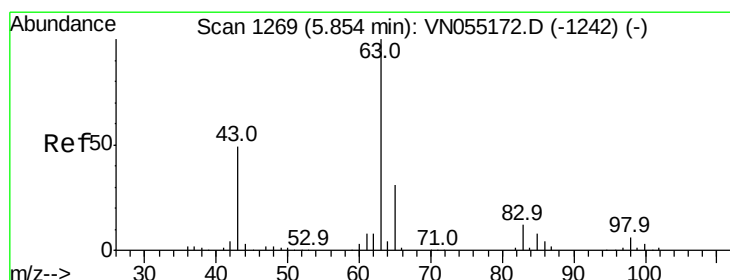
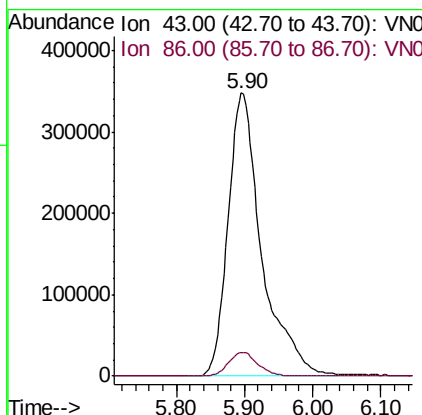
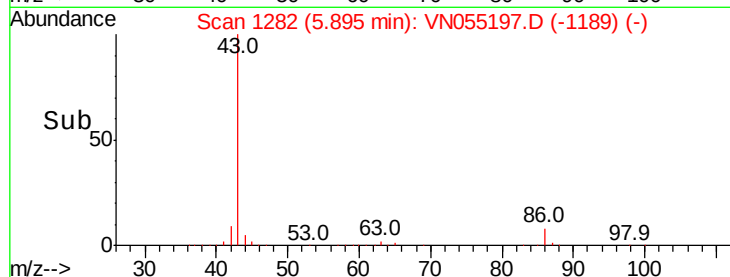
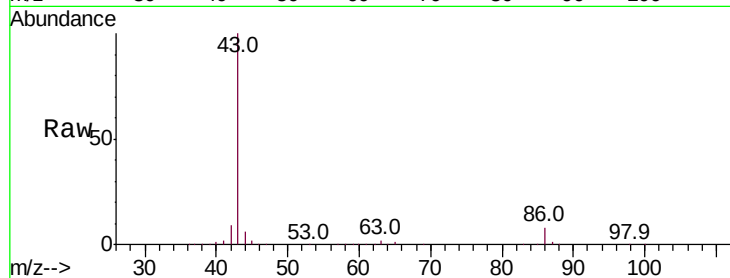
#23
 Vinyl Acetate
 Concen: 111.244 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Tot Ion: 43 Resp: 1192150
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.8 10.2

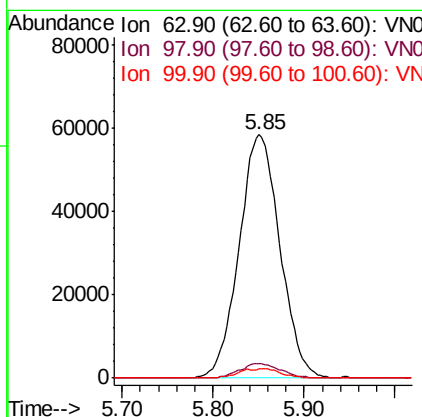
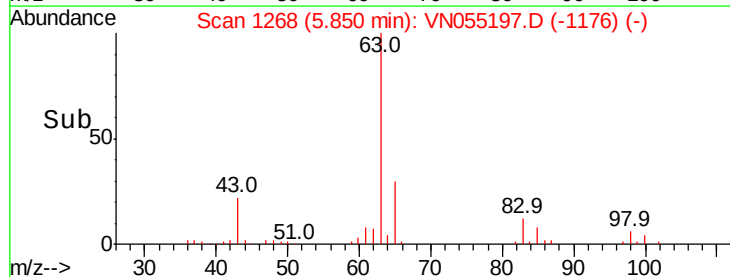
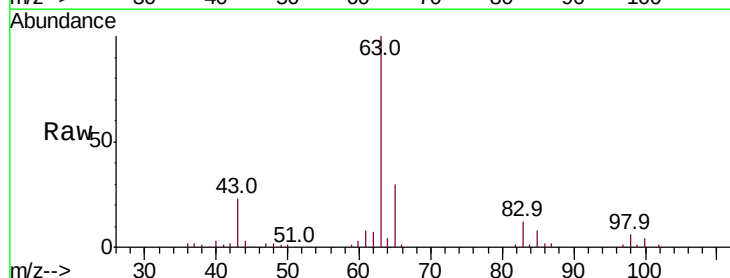
Manual Integrations
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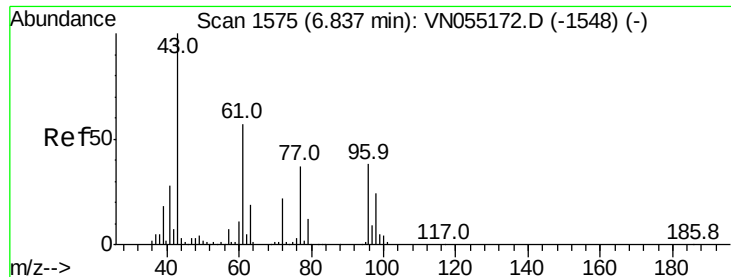
MMDadoda
 4/24/2019 12:44:31 PM



#24
 1,1-Dichloroethane
 Concen: 21.162 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion: 63 Resp: 181527
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.1 9.3
 100 3.6 1.8 5.3





#25

2-Butanone

Concen: 101.165 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBSD01

Tot Ion: 43 Resp: 229879

Ion Ratio Lower Upper

43 100

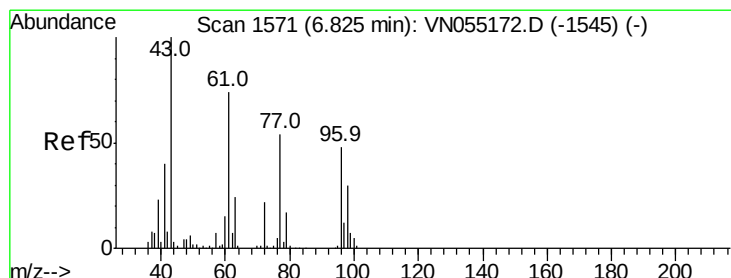
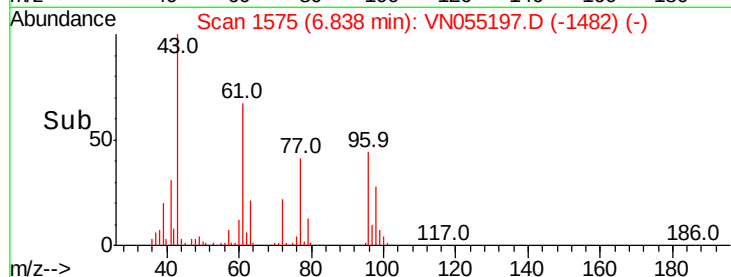
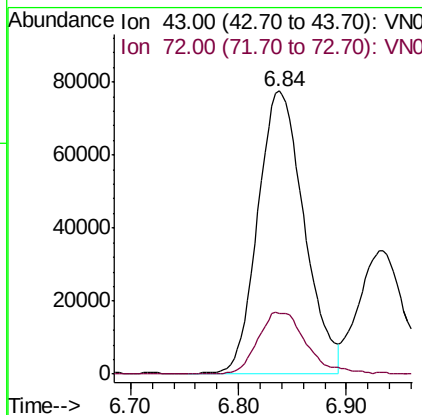
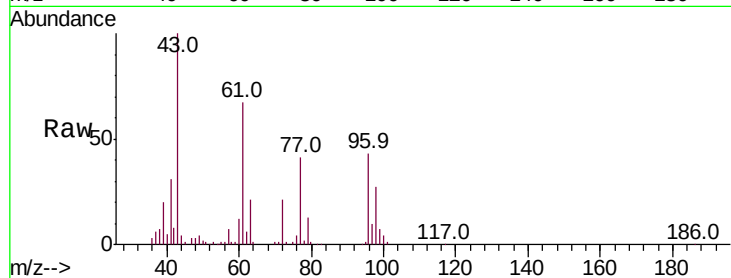
72 21.5 17.8 26.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.627 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055197.D

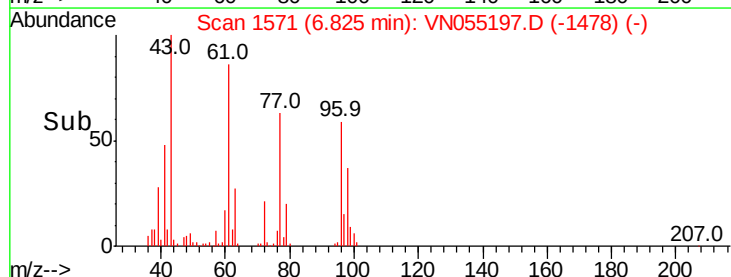
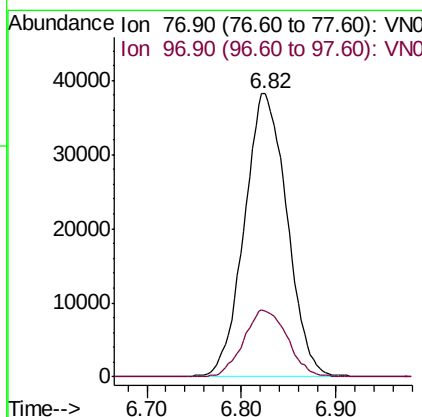
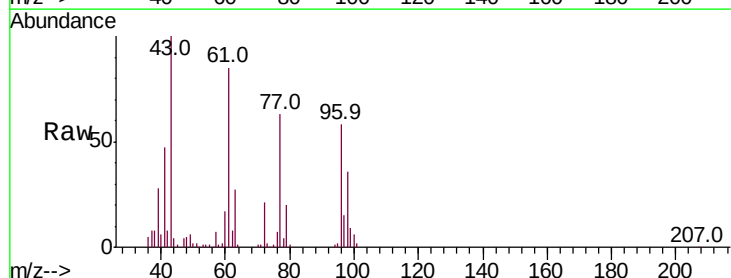
Acq: 23 Apr 2019 11:23

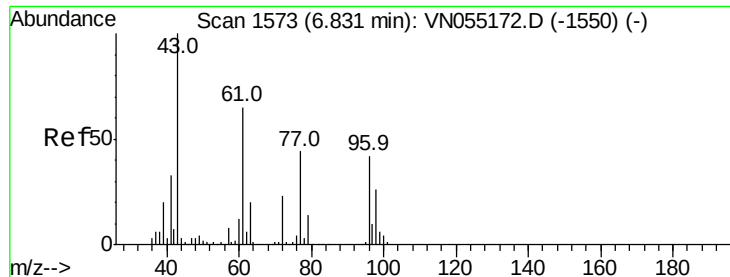
Tgt Ion: 77 Resp: 119733

Ion Ratio Lower Upper

77 100

97 24.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 21.931 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

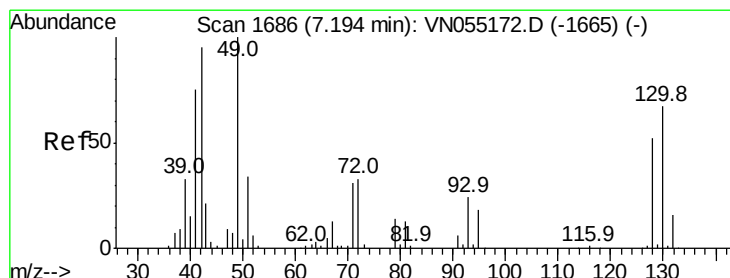
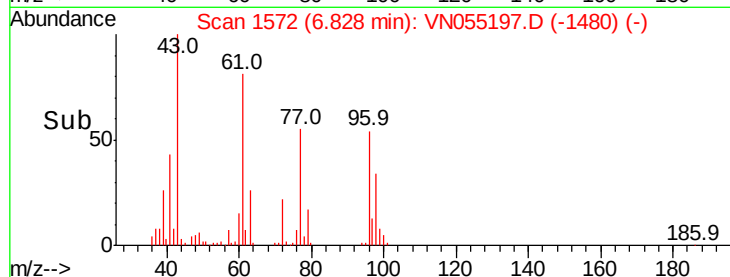
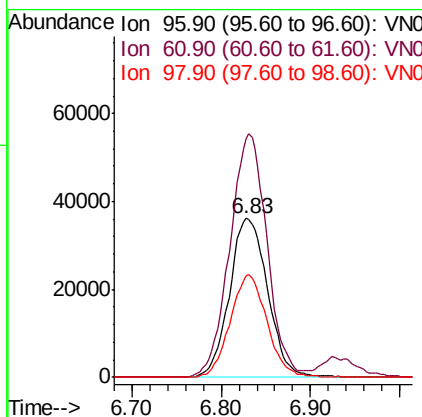
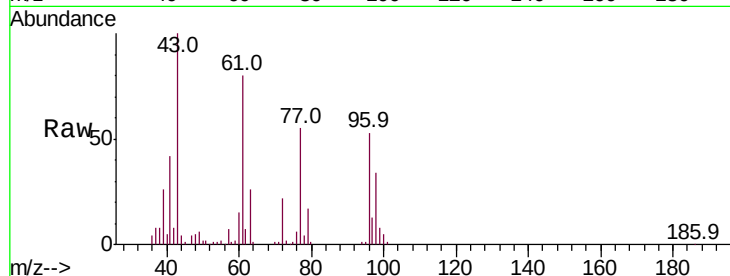
ClientSampleId :

VN0423WBSD01

Tot Ion:	96	Resp:	107286
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	310.8
98	62.2	0.0	127.4

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#28

Bromochloromethane

Concen: 20.935 ug/l

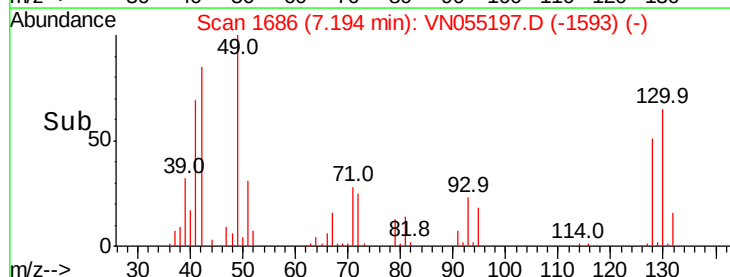
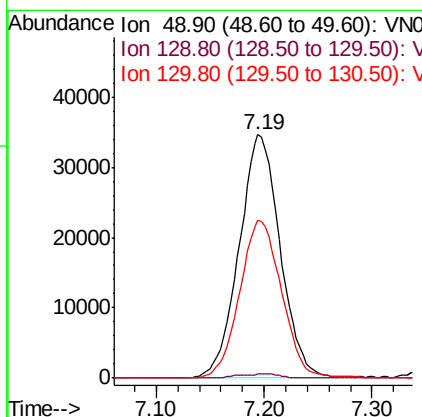
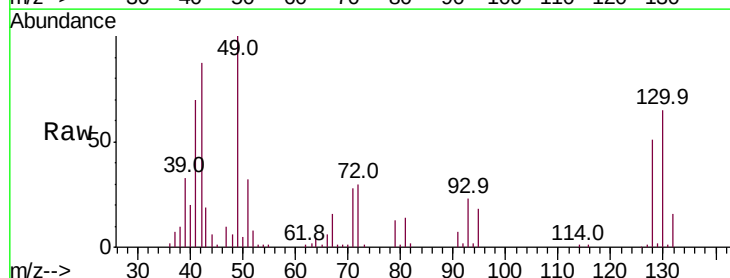
RT: 7.19 min Scan# 1686

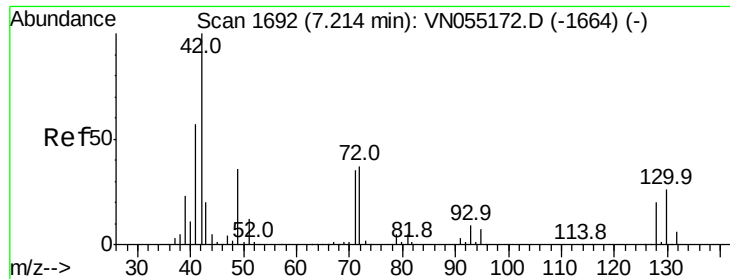
Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	49	Resp:	91537
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	66.1	53.4	80.2





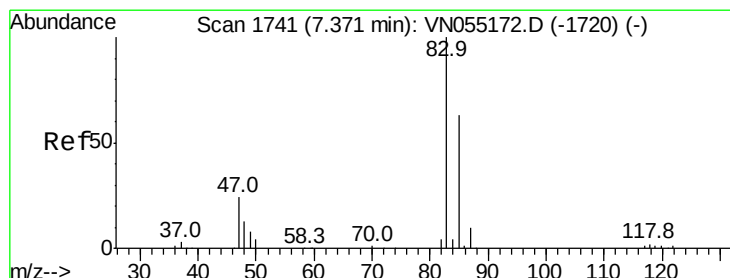
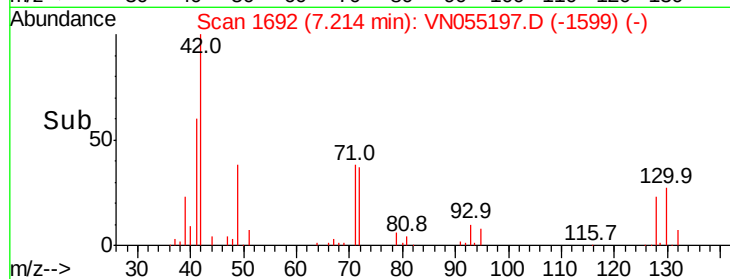
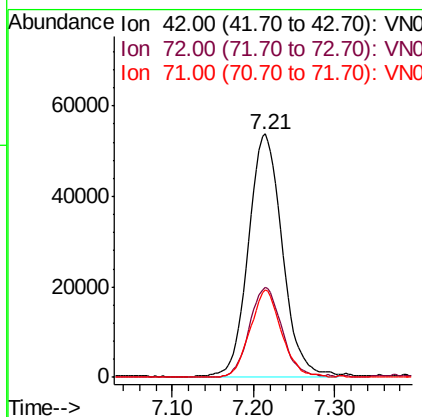
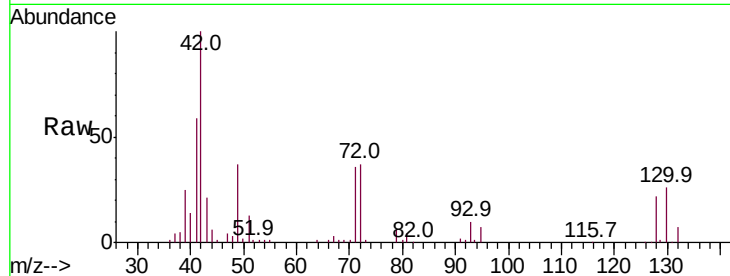
#29
Tetrahydrofuran
Concen: 111.045 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	29.4	44.2
71	33.3	27.8	41.8

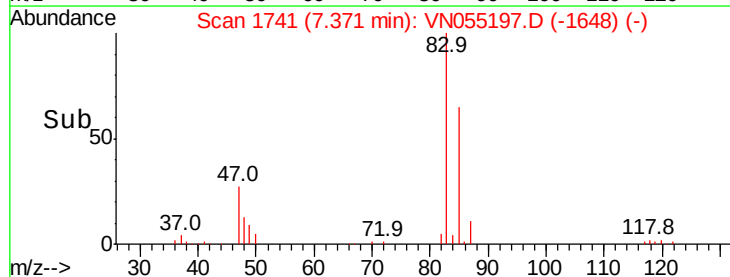
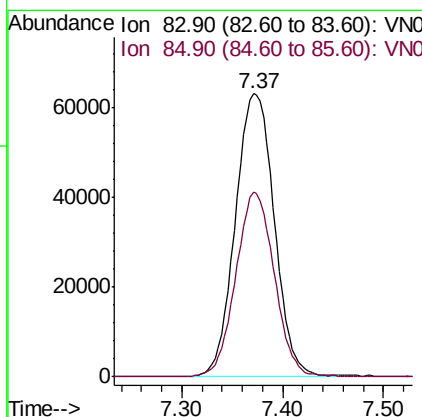
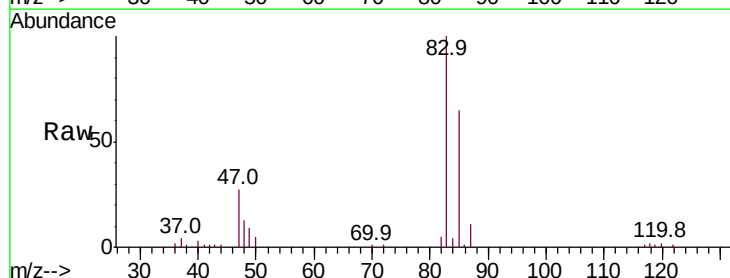
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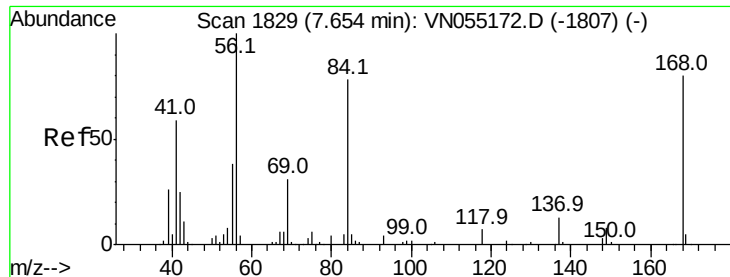
MMDadoda
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#30
Chloroform
Concen: 20.751 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	76.0





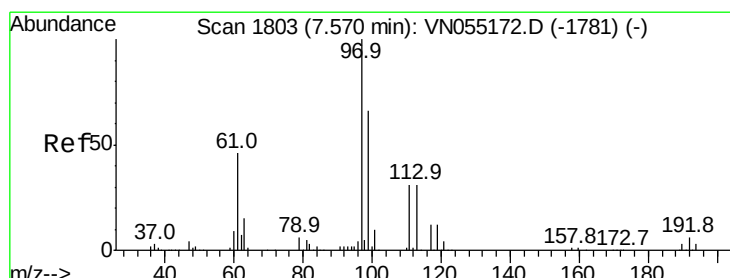
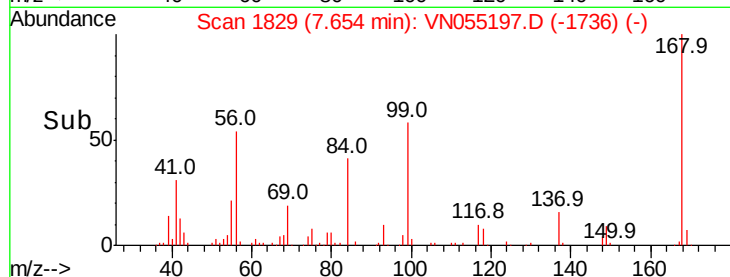
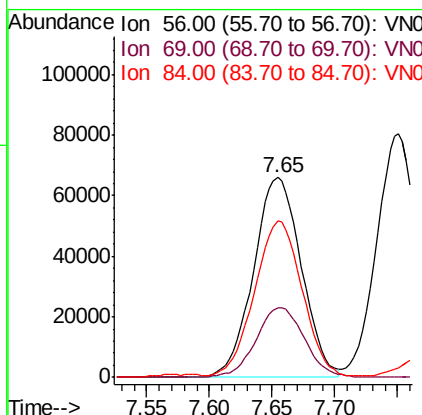
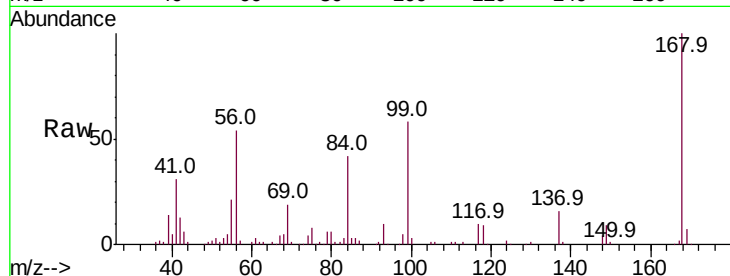
#31
Cyclohexane
Concen: 21.066 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	24.6	37.0
84	77.1	61.4	92.2

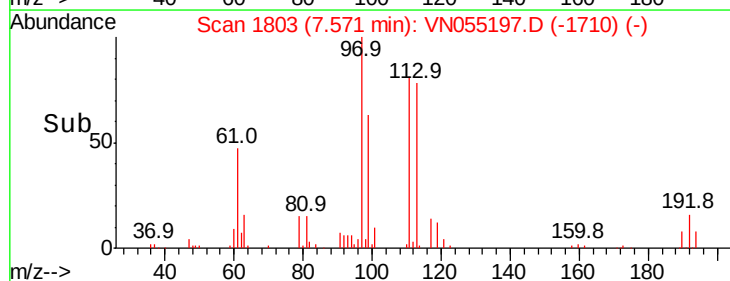
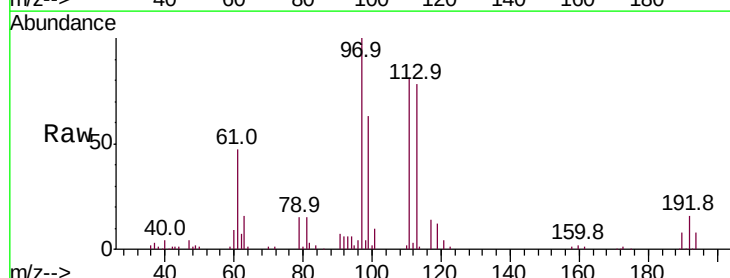
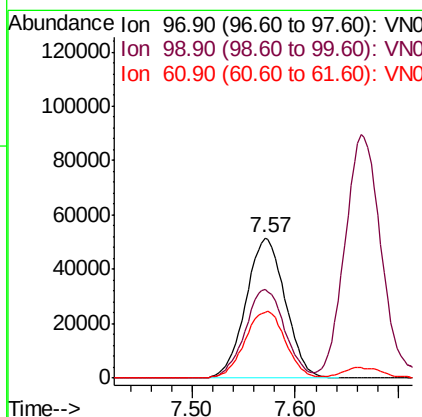
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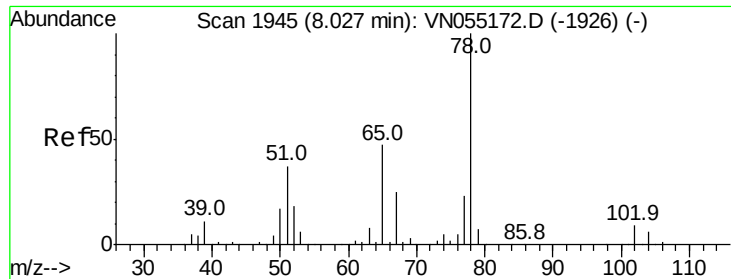
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.862 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	48.9	38.3	57.5





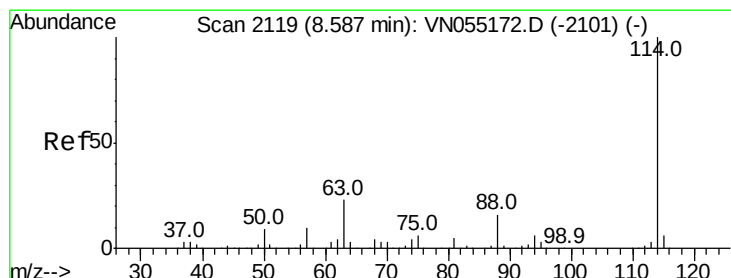
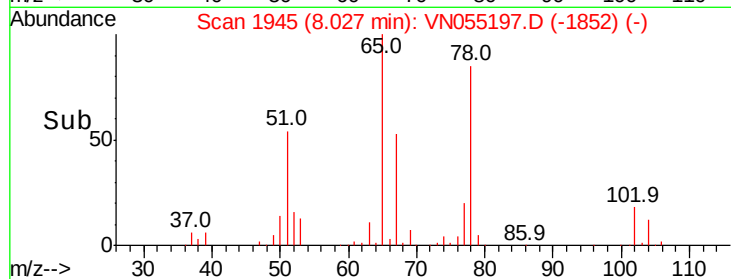
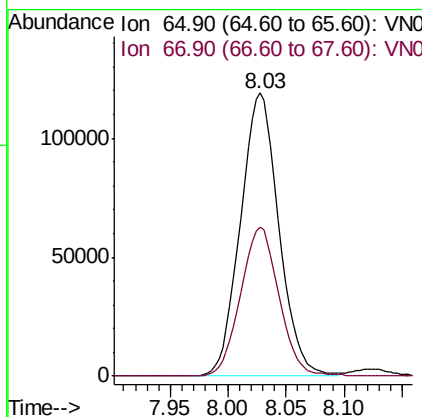
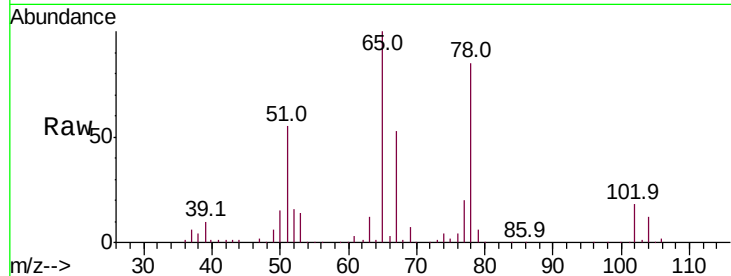
#33
 1,2-Dichloroethane-d4
 Concen: 51.704 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0423WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	275279		
67	52.7	0.0	108.6	

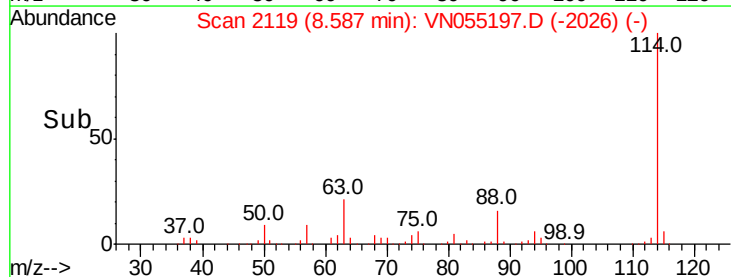
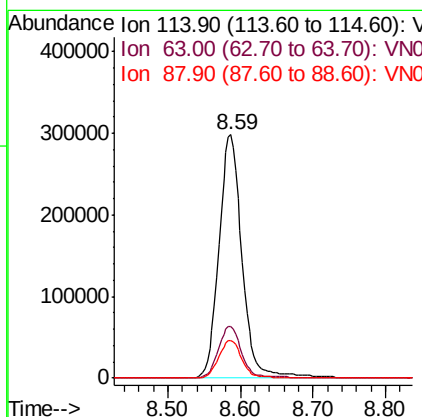
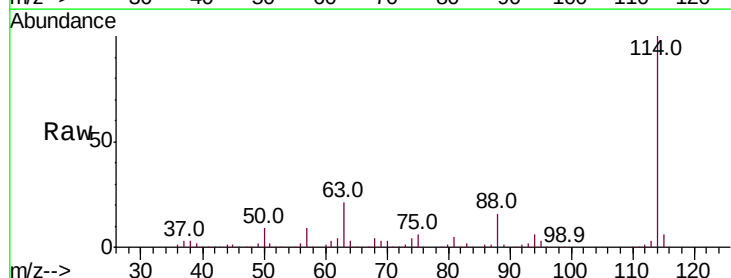
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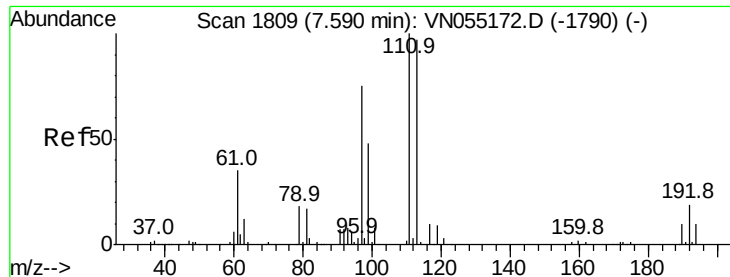
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	660041		
63	21.4	0.0	45.2	
88	15.6	0.0	32.8	





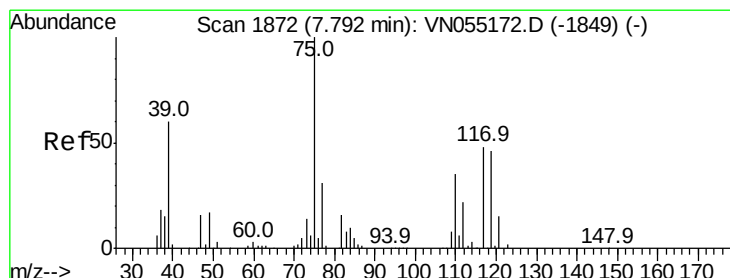
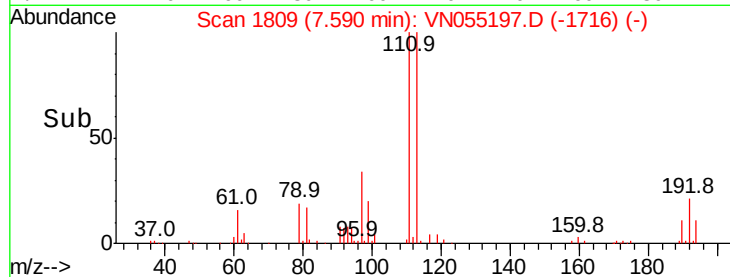
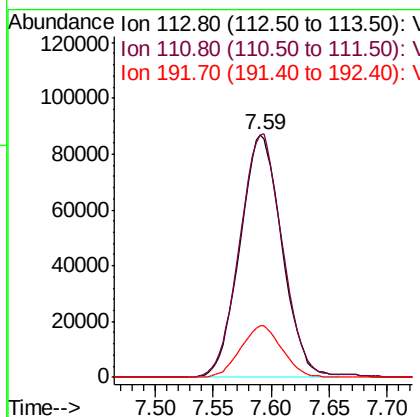
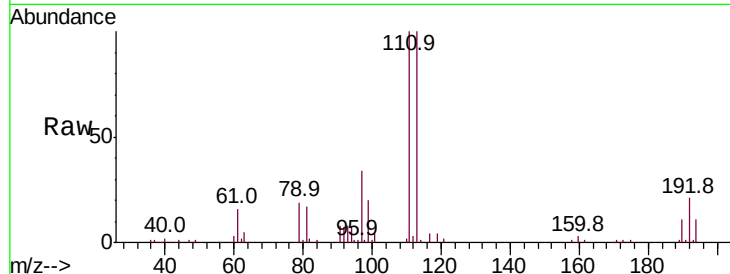
#35
 Dibromofluoromethane
 Concen: 48.856 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.0	121.4	
192	20.9	16.2	24.4	

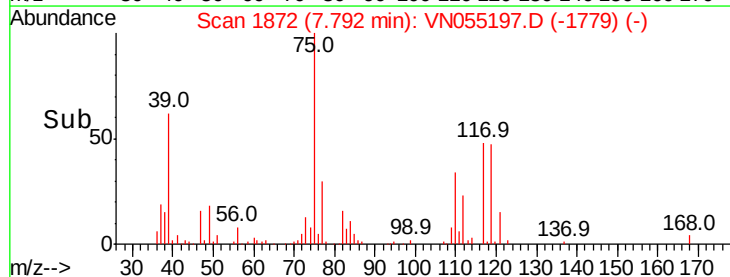
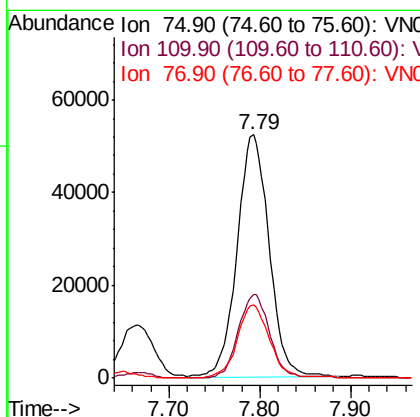
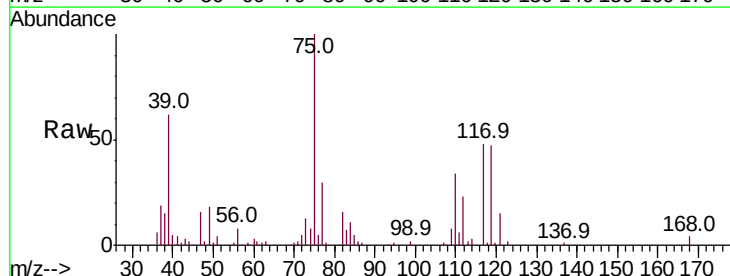
Manual Integrations
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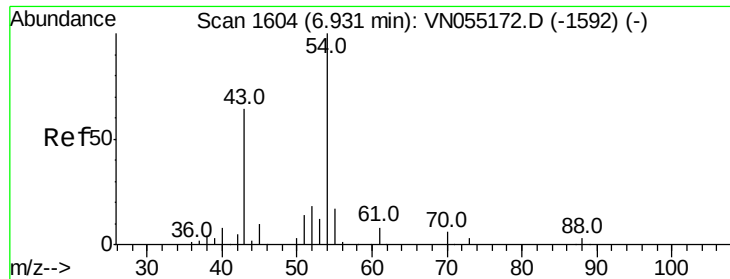
MMDadoda
 4/24/2019 12:44:31 PM



#36
 1,1-Dichloropropene
 Concen: 20.821 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.7	17.1	51.2	
77	30.3	24.6	36.8	





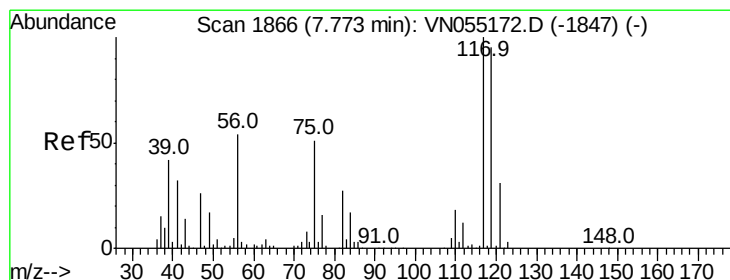
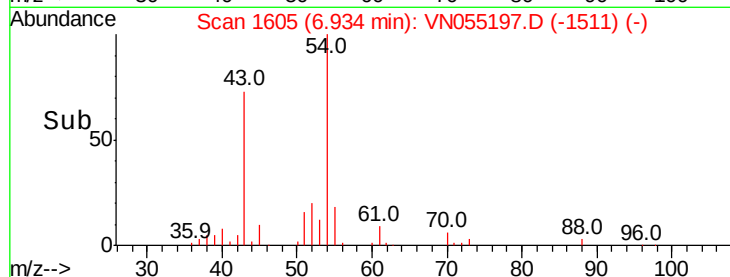
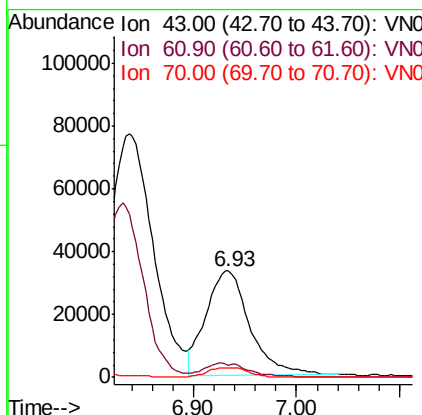
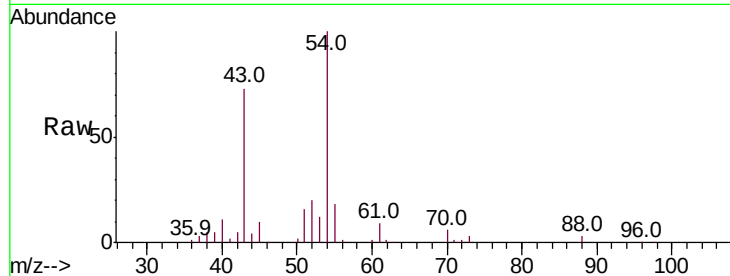
#37
Ethyl Acetate
Concen: 20.016 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	43	61	70
Ion Ratio	100	12.7	5.2
Resp Lower		9.7	6.9
Upper		14.5	10.3

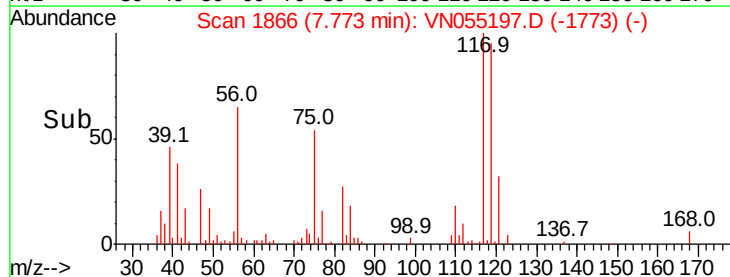
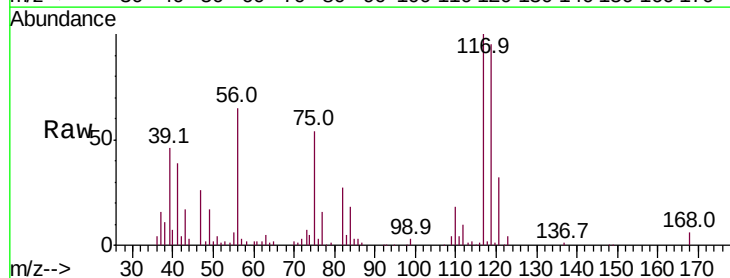
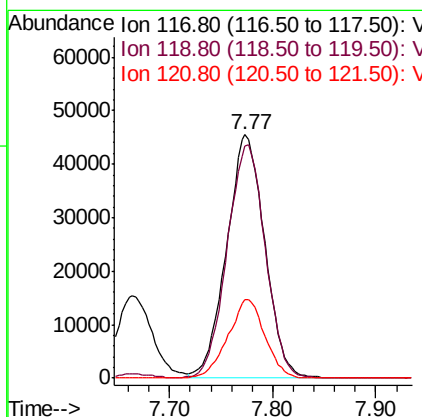
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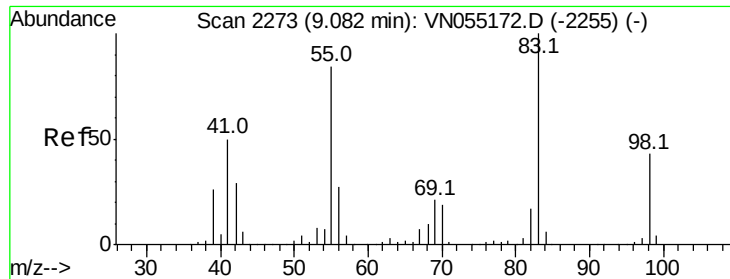
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#38
Carbon Tetrachloride
Concen: 20.418 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	117	119	121
Ion Ratio	100	95.4	32.2
Resp Lower		76.0	24.6
Upper		114.0	36.8





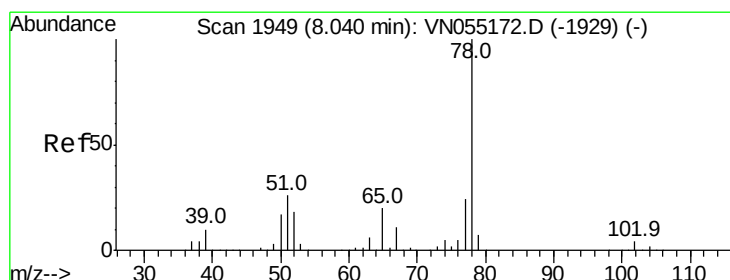
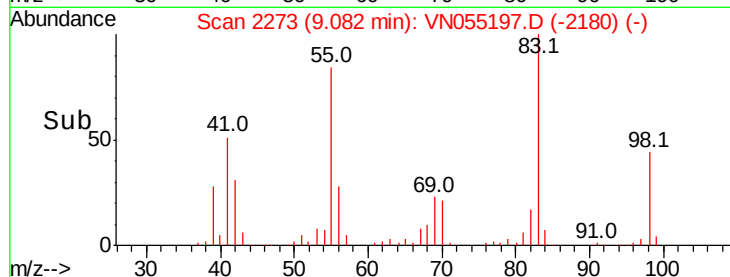
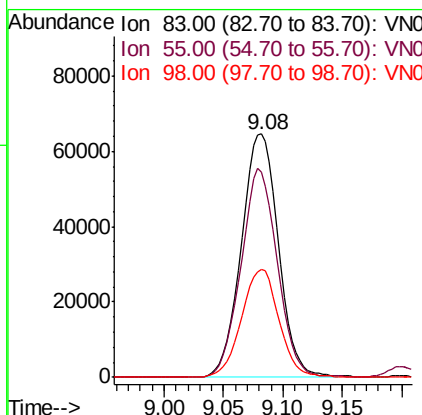
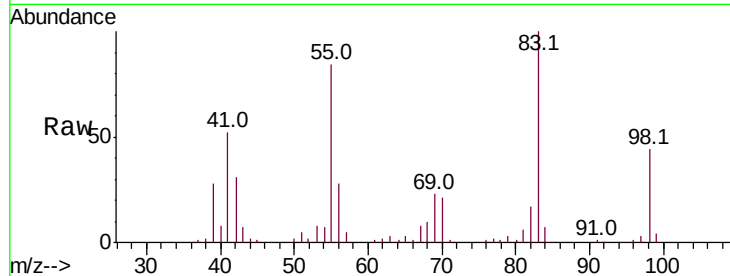
#39
Methvlcvclohexane
Concen: 19.087 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	83	Resp	139499
Ion Ratio	100	Lower	Upper
83	100		
55	84.4	67.4	101.0
98	44.2	34.7	52.1

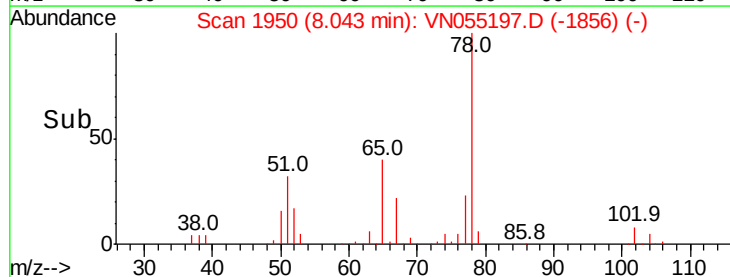
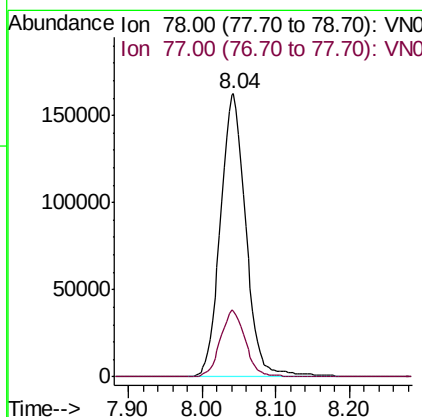
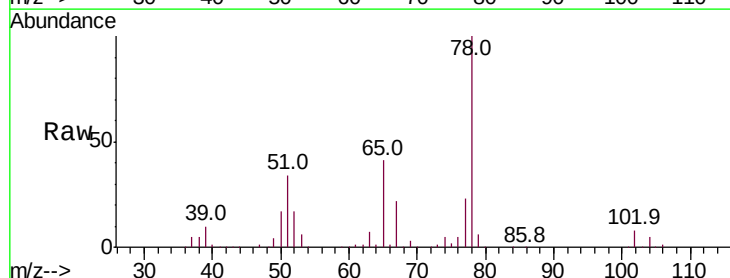
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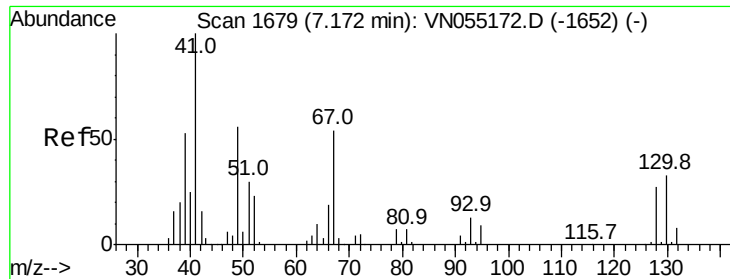
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#40
Benzene
Concen: 20.585 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	78	Resp	389292
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	19.5	29.3





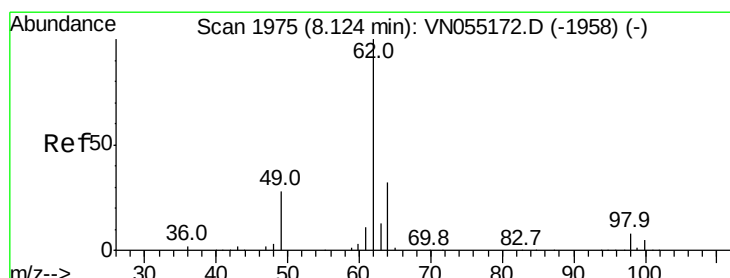
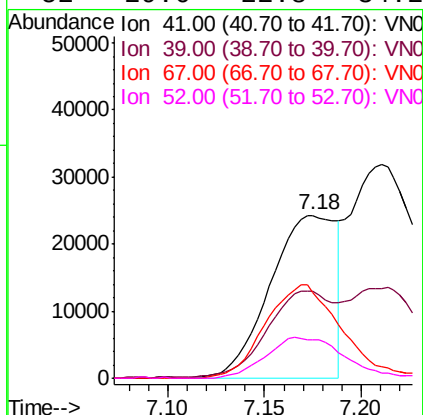
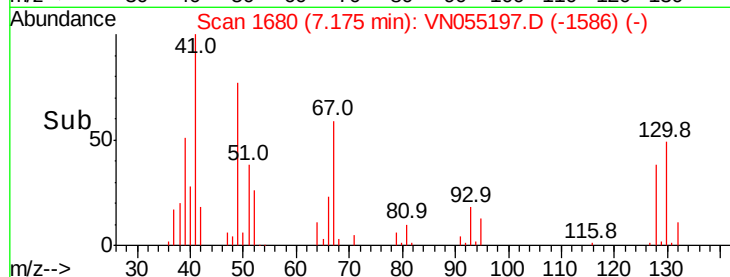
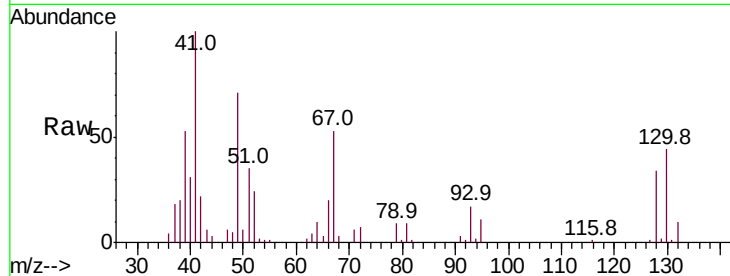
#41
Methacrylonitrile
Concen: 22.276 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.8	45.4	68.0
67	66.6	54.6	81.8
52	29.6	22.8	34.2

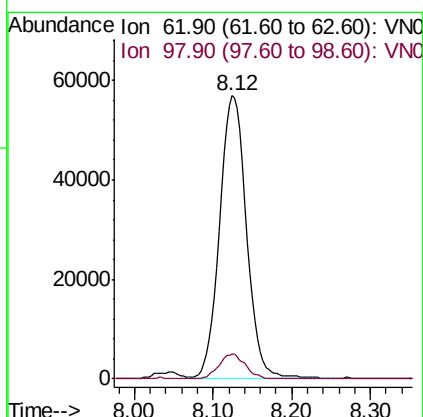
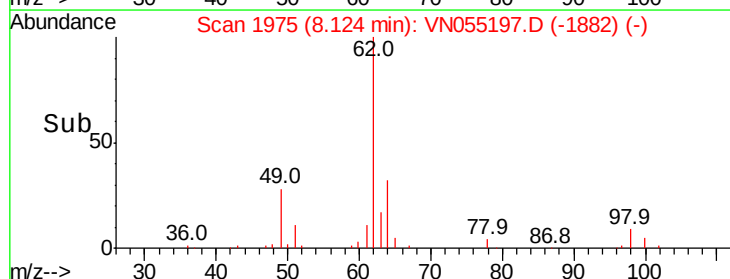
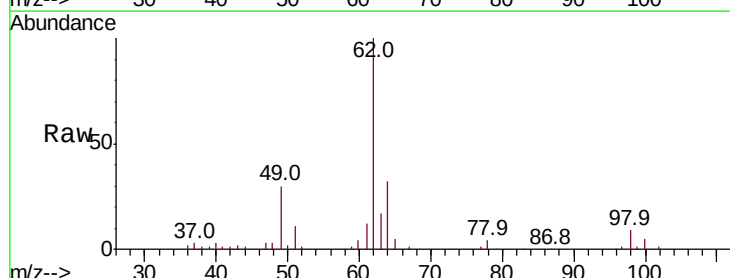
Manual Integrations
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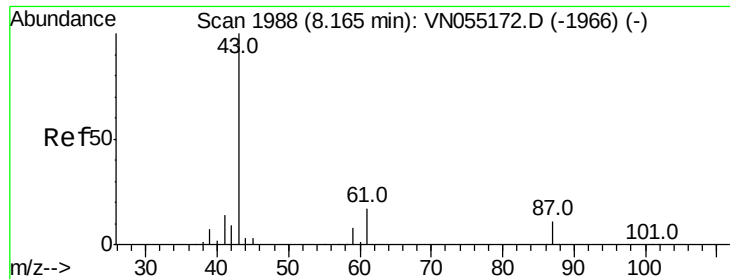
MMDadoda
4/24/2019 12:44:31 PM



#42
1,2-Dichloroethane
Concen: 20.458 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

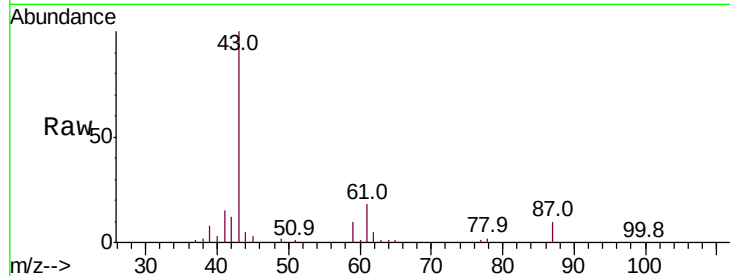
Isopropyl Acetate
 Concen: 20.755 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

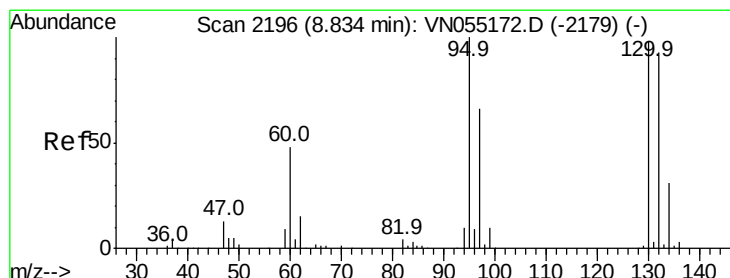
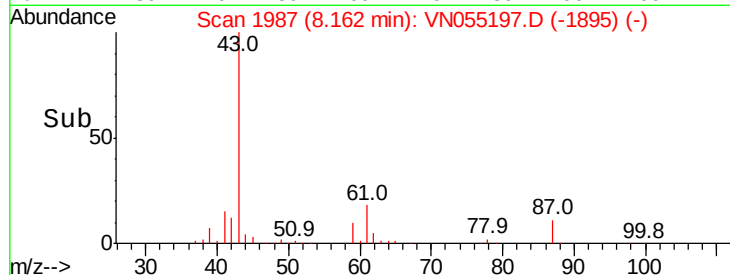
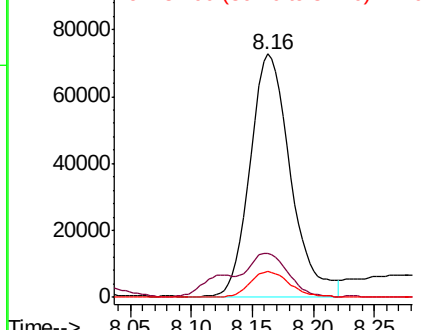
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	20.6	30.8#
87	10.5	8.8	13.2

Manual Integrations
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 4/24/2019 12:44:31 PM



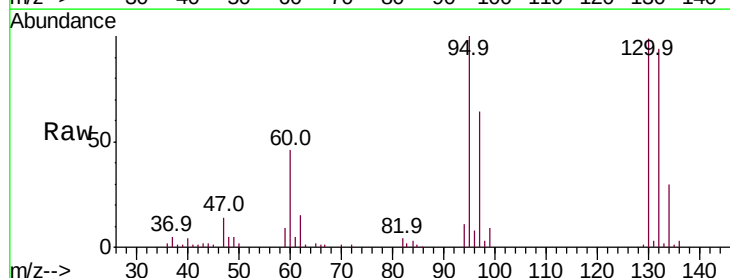
Abundance Ion 43.00 (42.70 to 43.70): VN055197.D (-1987) (-)



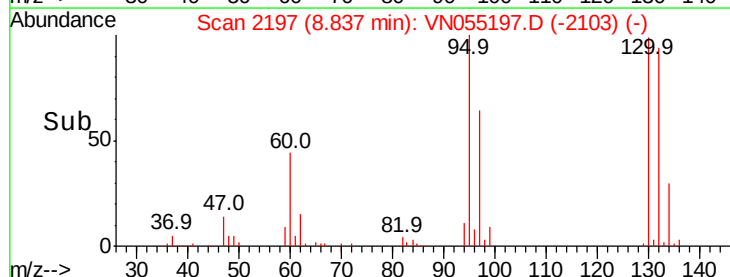
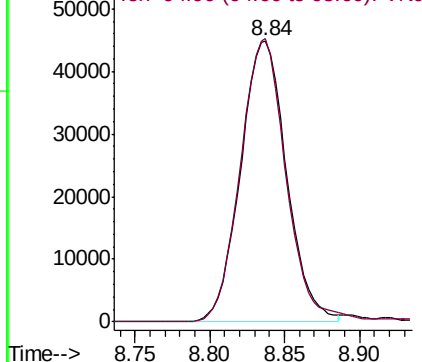
#44

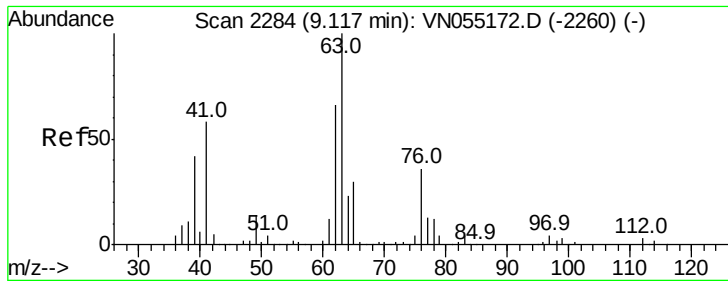
Trichloroethene
 Concen: 20.073 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	203.6



Abundance Ion 129.80 (129.50 to 130.50): VN055197.D (-2197) (-)





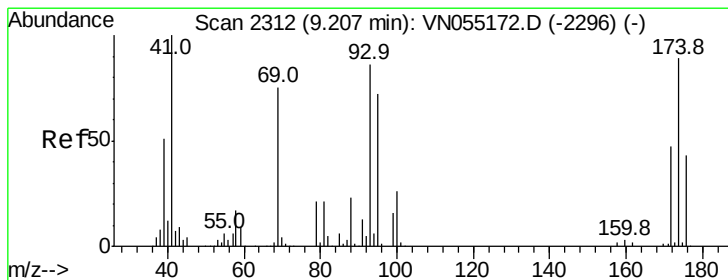
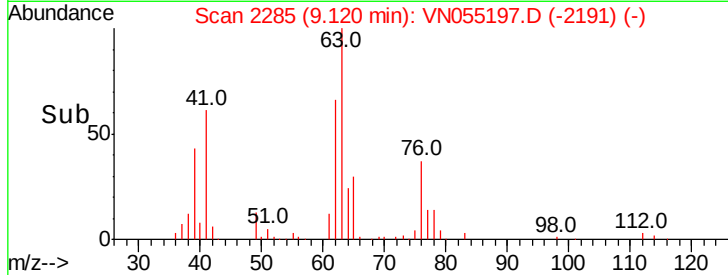
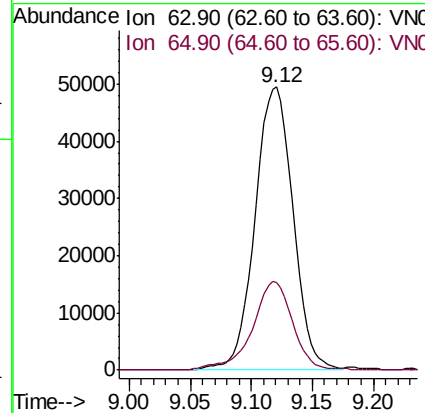
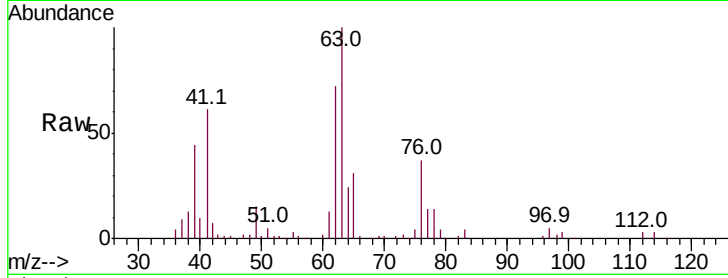
#45
 1,2-Dichloropropane
 Concen: 19.996 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.8	35.6

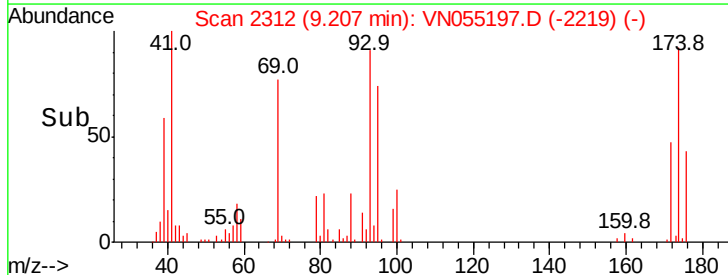
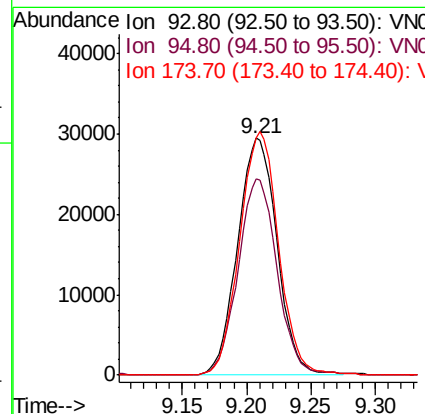
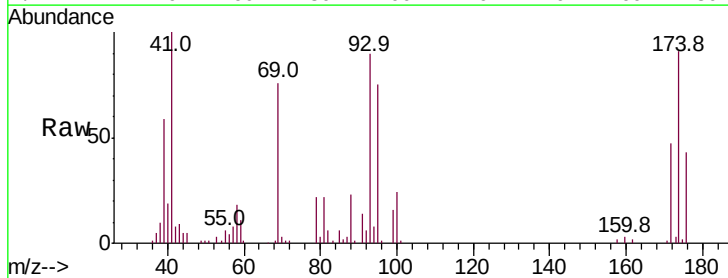
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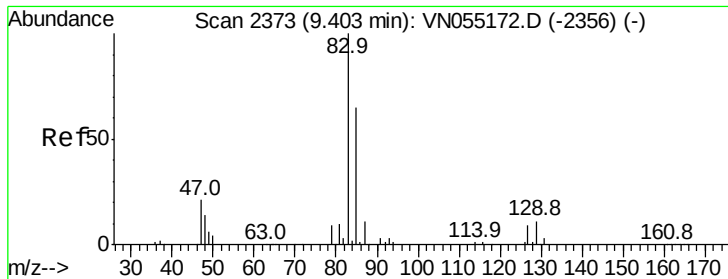
MMDadoda
 4/24/2019 12:44:31 PM



#46
 Dibromomethane
 Concen: 20.515 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.6	101.4
174	101.7	83.4	125.2





#47

Bromodichloromethane

Concen: 20.348 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

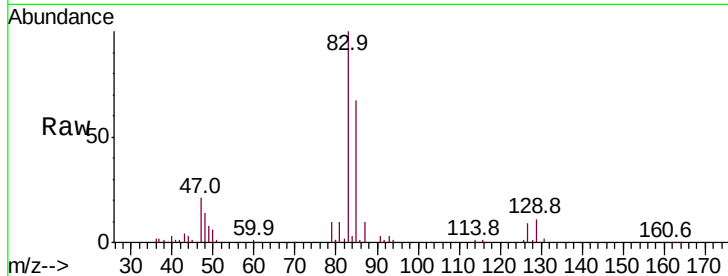
ClientSampleId :

VN0423WBSD01

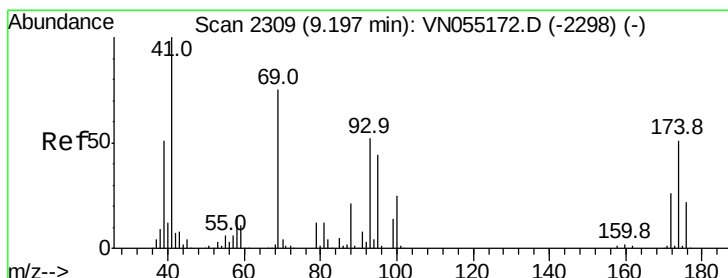
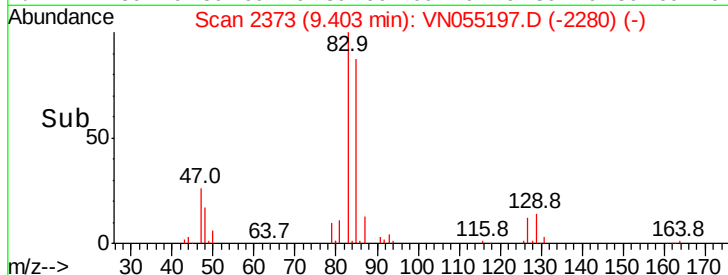
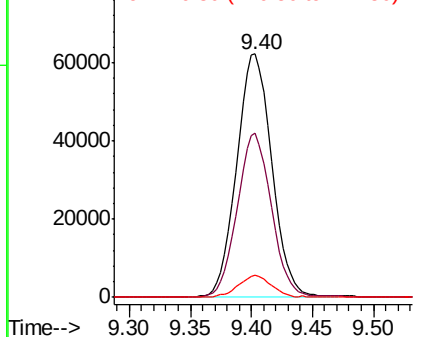
Tot Ion:	83	Resp:	124477
Ion Ratio	Lower	Upper	
83	100		
85	67.3	52.1	78.1
127	9.3	6.9	10.3

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Abundance Ion 82.90 (82.60 to 83.60): VN055197.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.727 ug/l

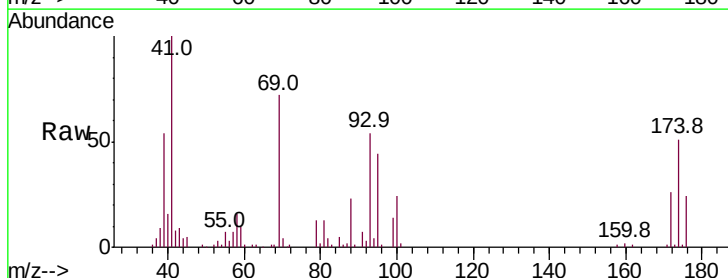
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

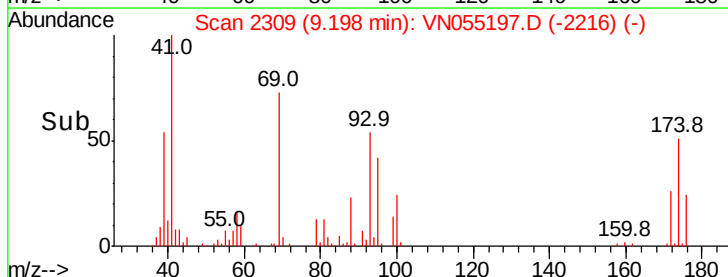
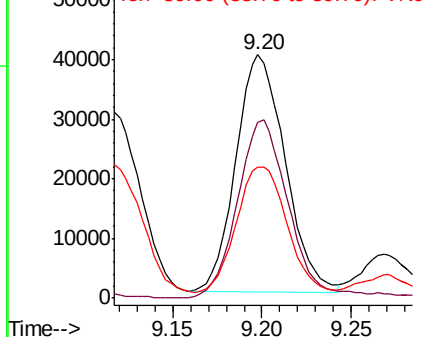
Lab File: VN055197.D

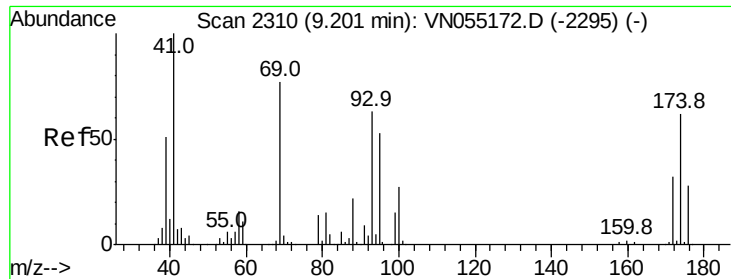
Acq: 23 Apr 2019 11:23

Tgt Ion:	41	Resp:	76609
Ion Ratio	Lower	Upper	
41	100		
69	78.7	63.6	95.4
39	55.1	43.8	65.8



Abundance Ion 41.00 (40.70 to 41.70): VN055197.D (-2216) (-)





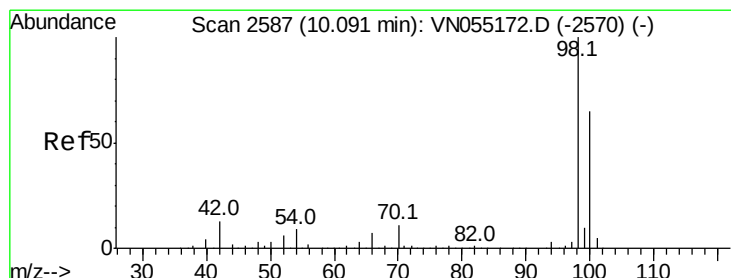
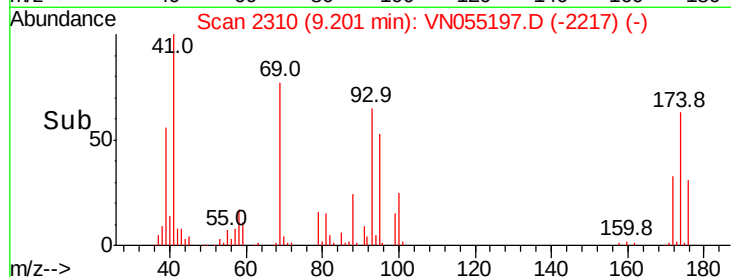
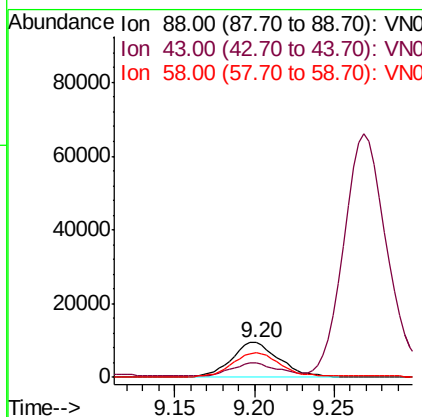
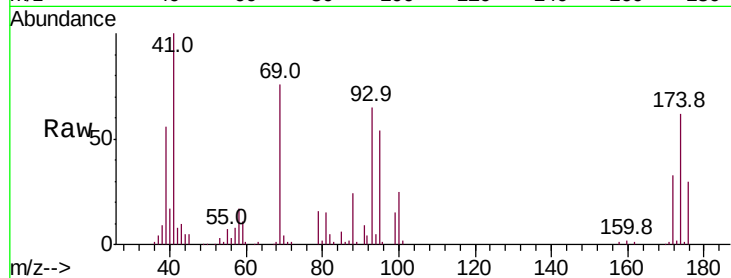
#49
1,4-Dioxane
Concen: 429.493 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	32.0	48.0
58	72.4	60.4	90.6

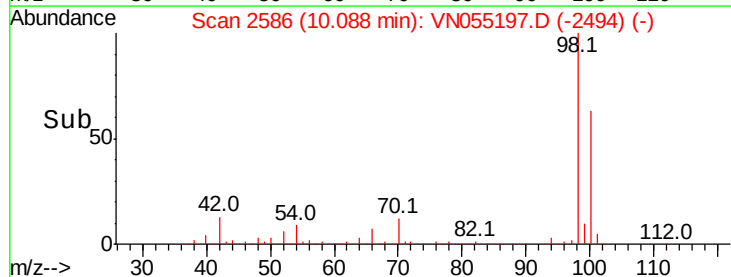
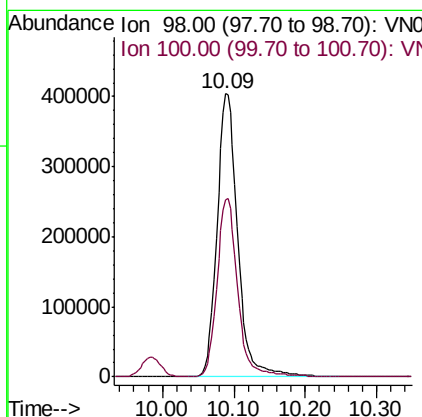
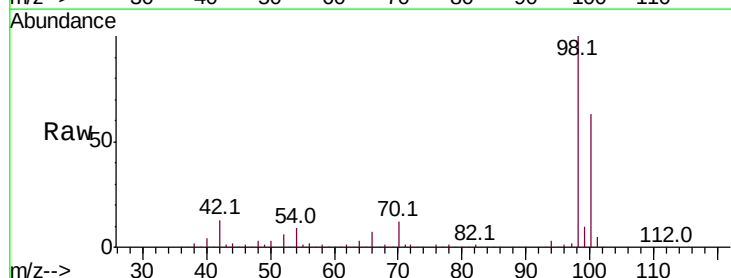
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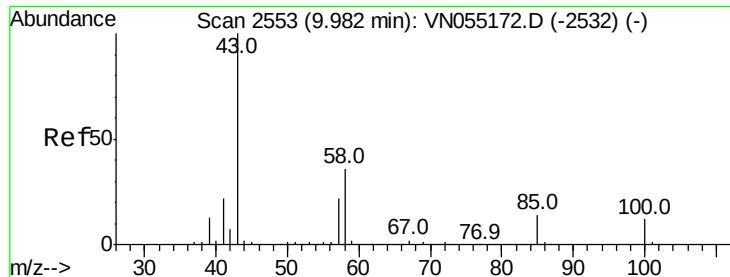
MMDadoda
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#50
Toluene-d8
Concen: 48.882 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 101.062 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBSD01

Tot Ion: 43 Resp: 465584

Ion Ratio Lower Upper

43 100

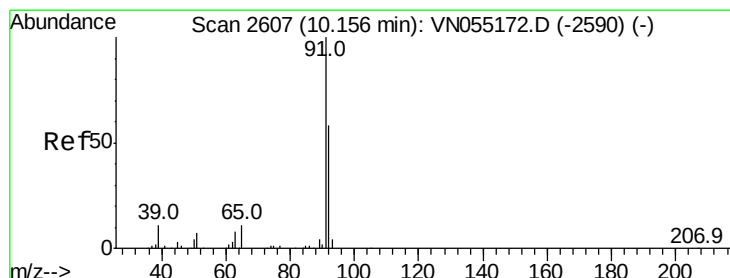
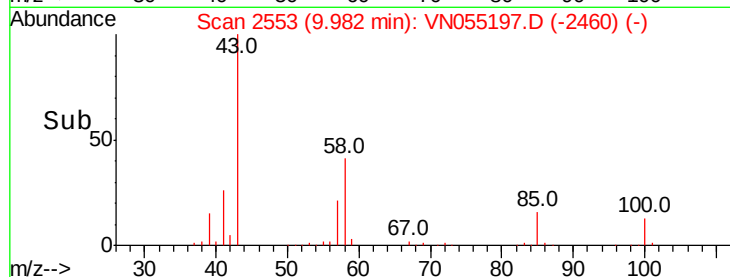
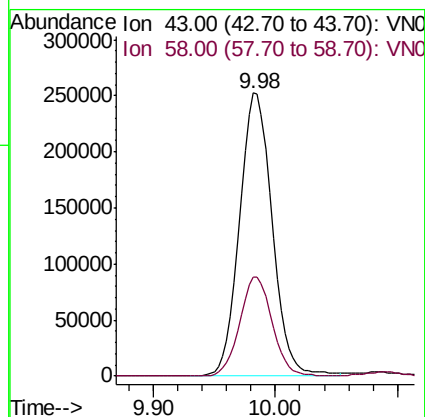
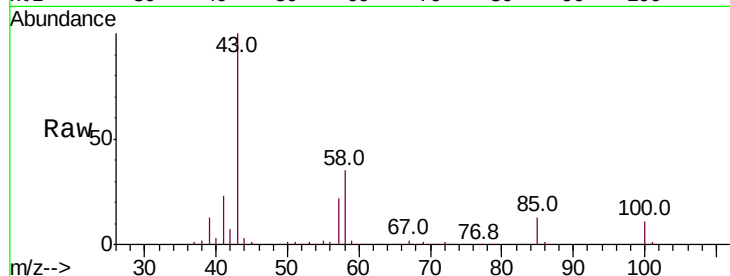
58 34.9 28.3 42.5

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#52

Toluene

Concen: 20.292 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055197.D

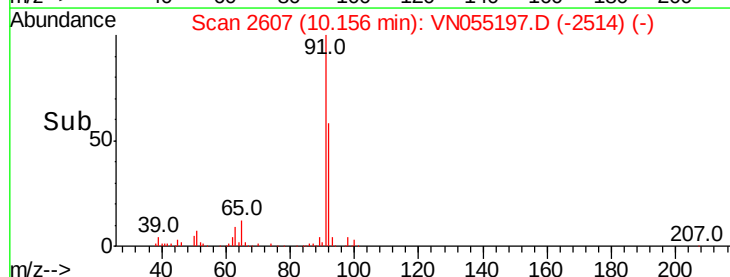
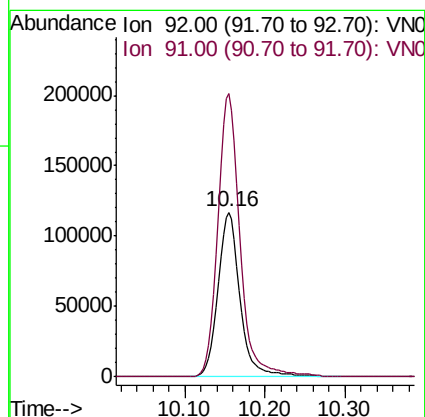
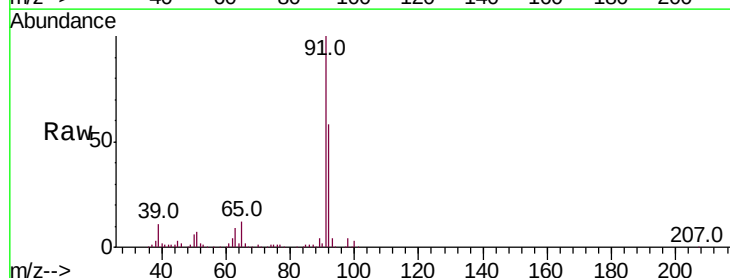
Acq: 23 Apr 2019 11:23

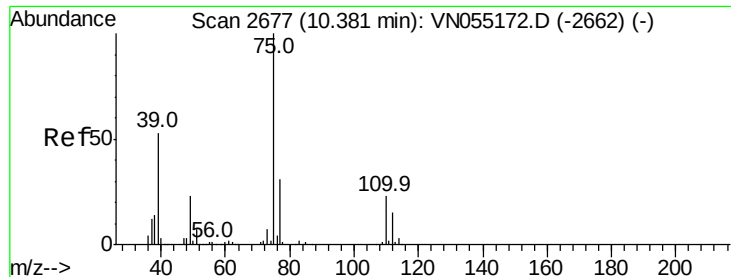
Tgt Ion: 92 Resp: 224969

Ion Ratio Lower Upper

92 100

91 173.2 138.7 208.1





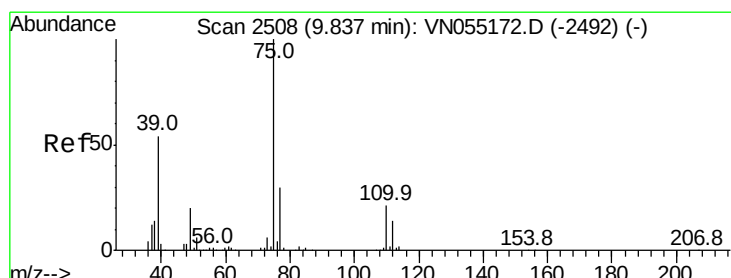
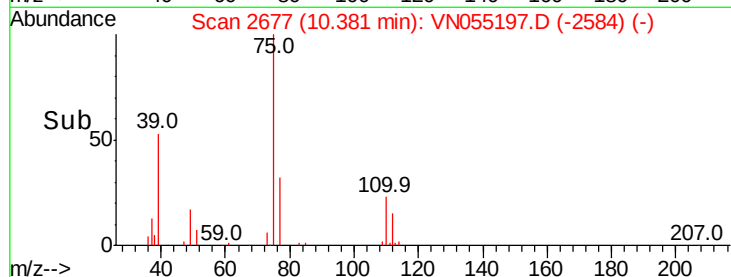
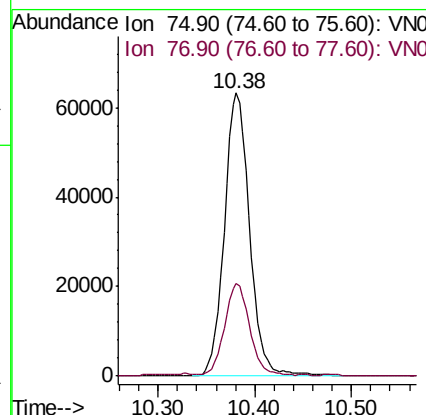
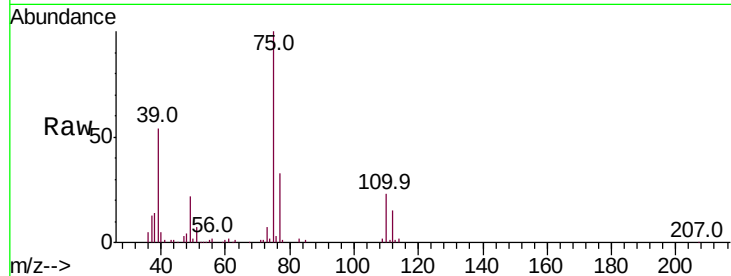
#53
 t-1,3-Dichloropropene
 Concen: 20.409 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0423WBSD01

Tot Ion: 75 Resp: 114576
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.1 37.7

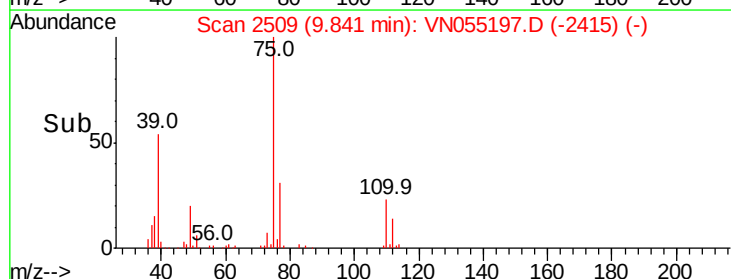
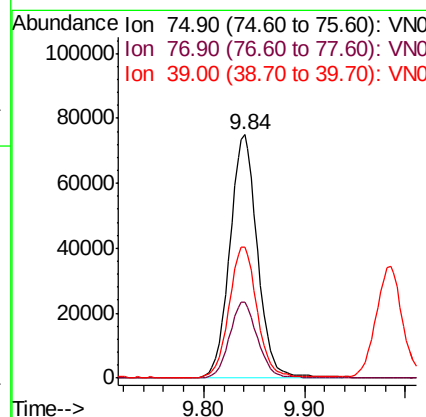
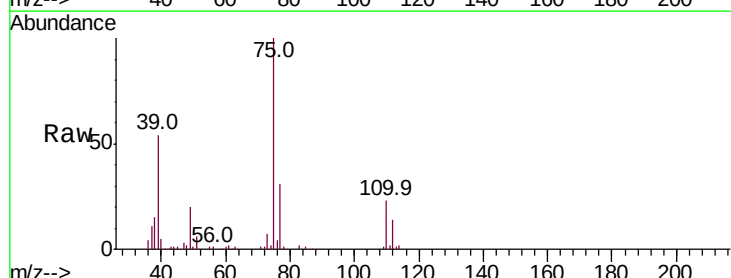
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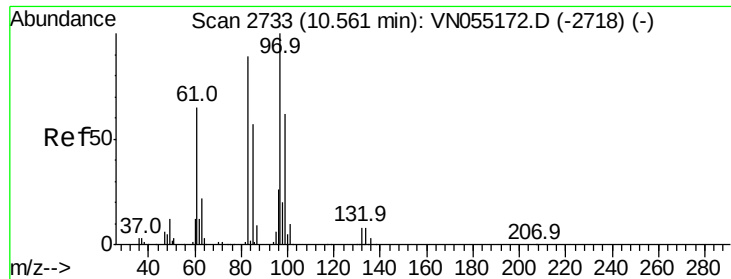
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.596 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion: 75 Resp: 143489
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.3 36.5
 39 53.6 43.0 64.4





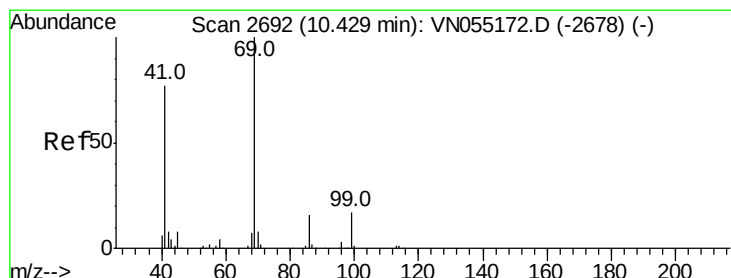
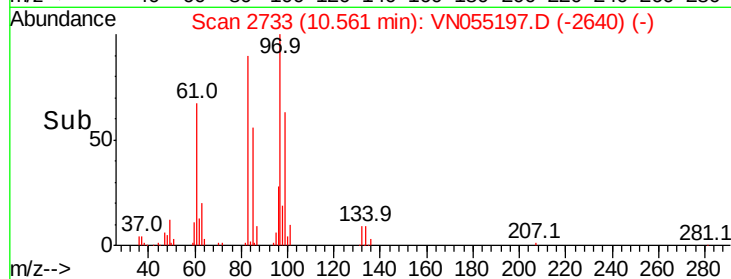
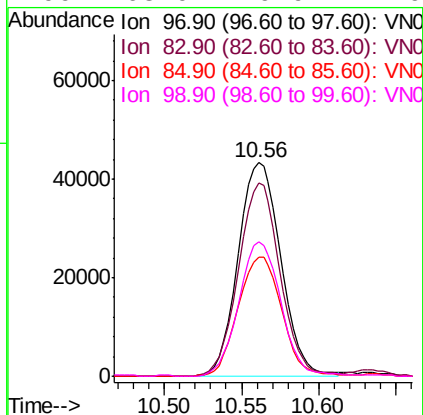
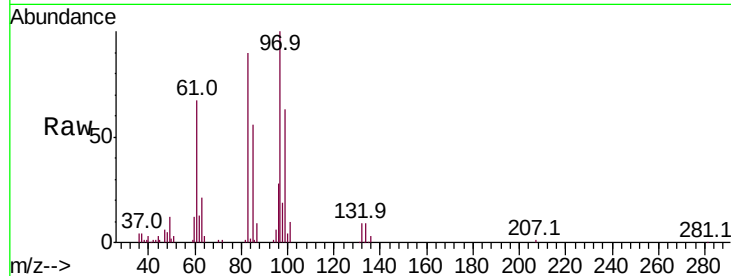
#55
 1,1,2-Trichloroethane
 Concen: 20.393 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		83353		
83	90.5	71.5	107.3		
85	56.0	45.8	68.6		
99	63.0	49.9	74.9		

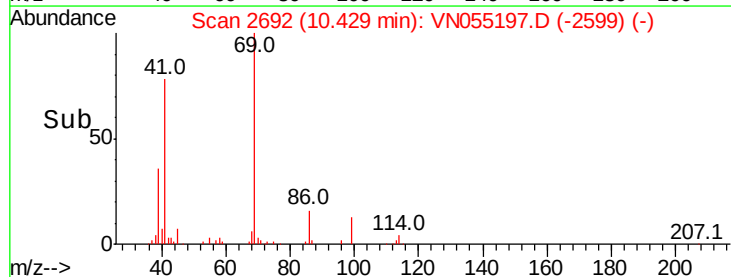
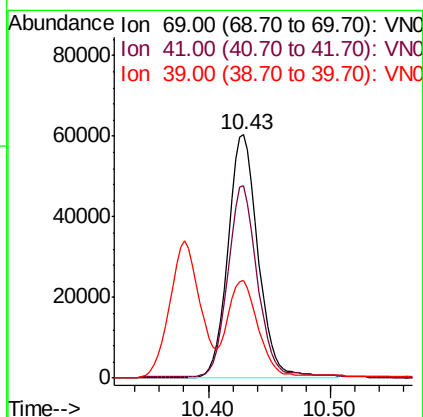
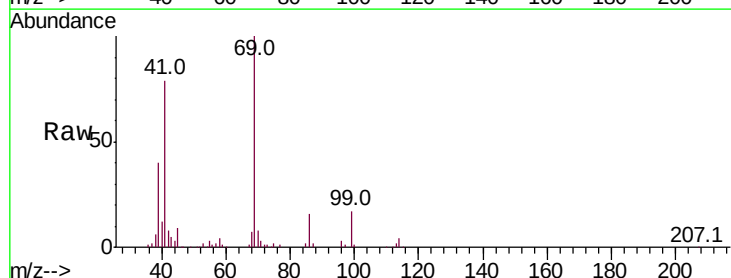
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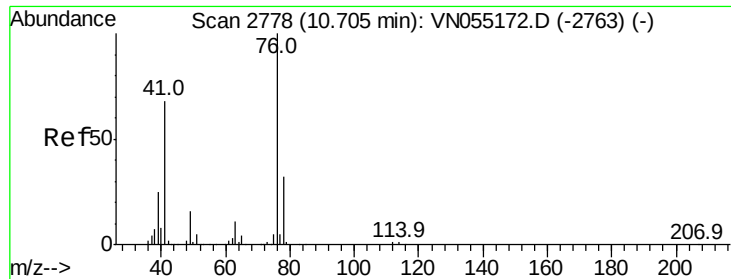
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.574 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		104758		
41	76.1	60.6	90.8		
39	39.2	31.7	47.5		





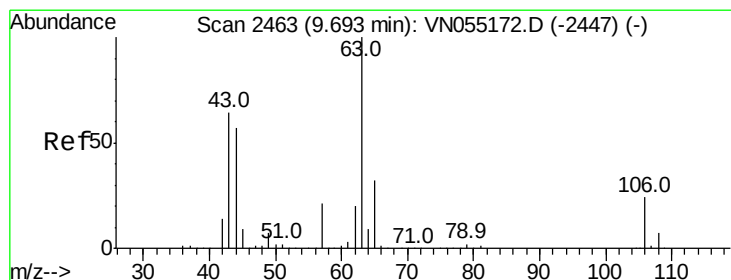
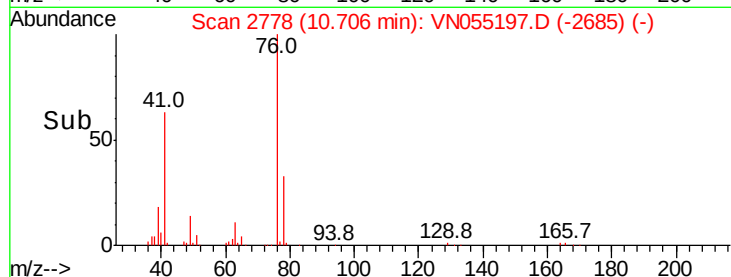
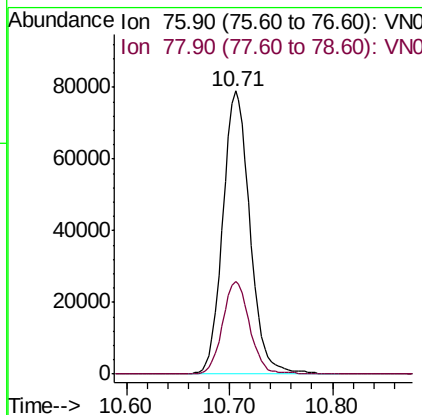
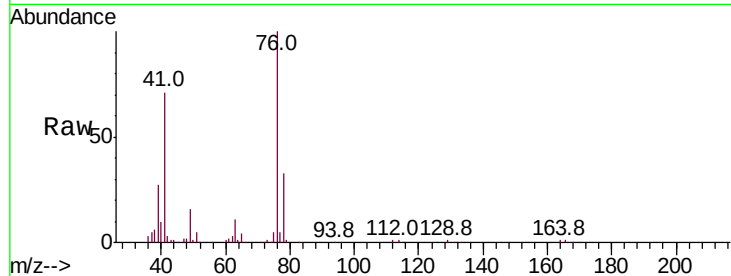
#57
 1,3-Dichloropropane
 Concen: 20.379 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Tot Ion: 76 Resp: 144920
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.3 37.9

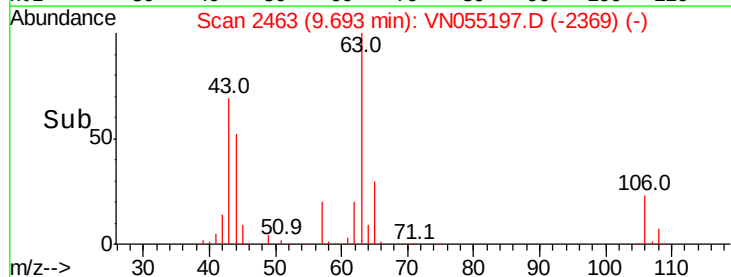
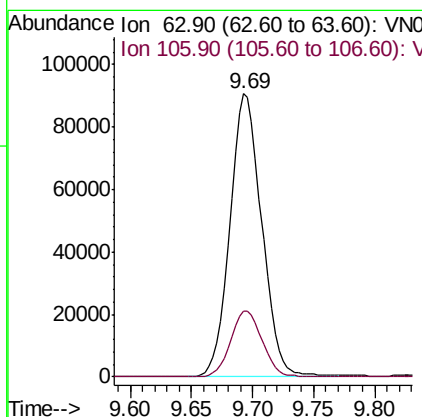
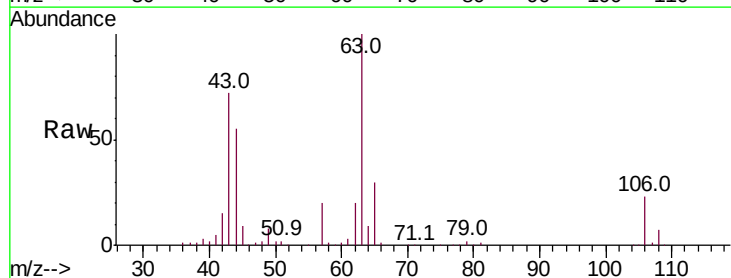
Manual Integrations
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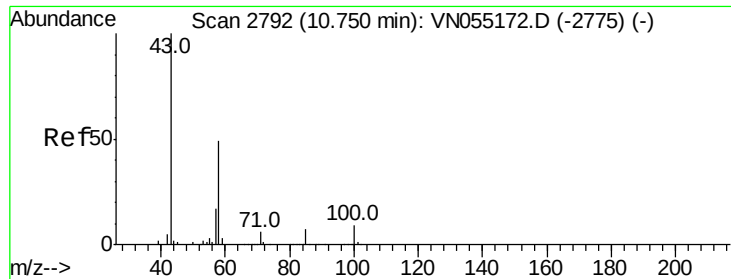
MMDadoda
 4/24/2019 12:44:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.417 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion: 63 Resp: 164649
 Ion Ratio Lower Upper
 63 100
 106 23.2 19.4 29.0





#59

2-Hexanone

Concen: 101.215 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBSD01

Tot Ion: 43 Resp: 294530

Ion Ratio Lower Upper

43 100

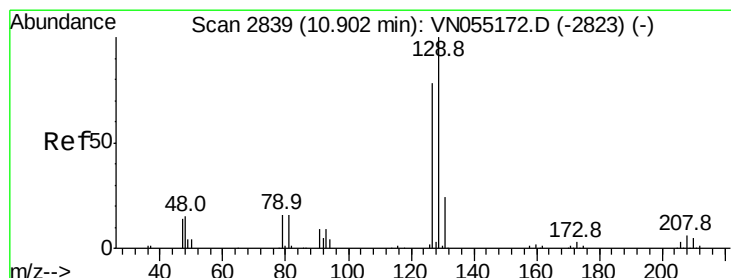
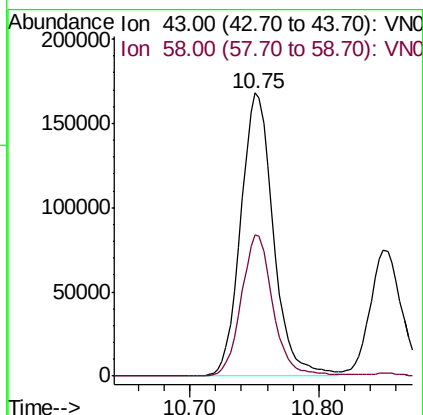
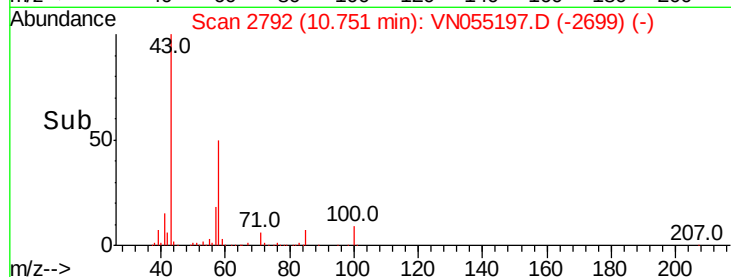
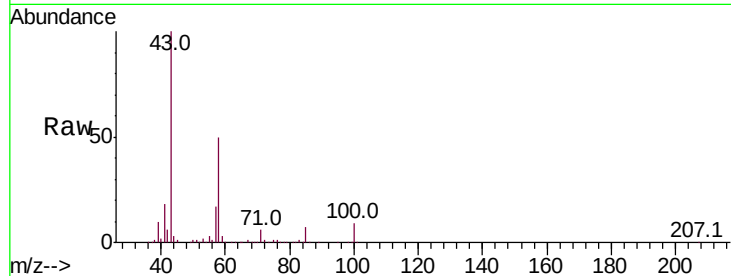
58 48.9 24.5 73.5

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.446 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055197.D

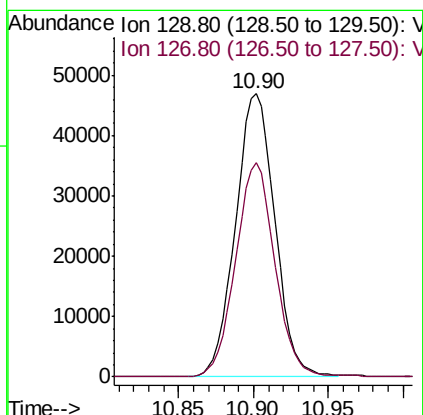
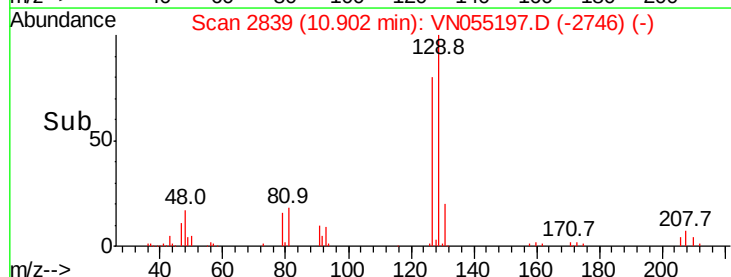
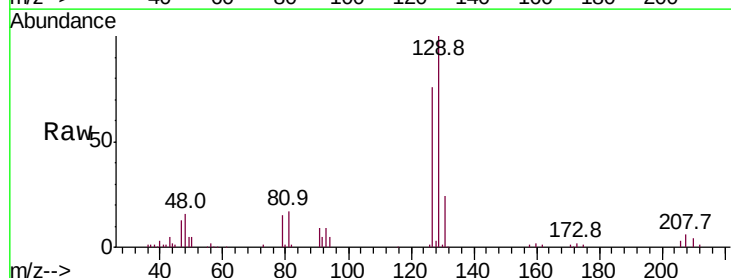
Acq: 23 Apr 2019 11:23

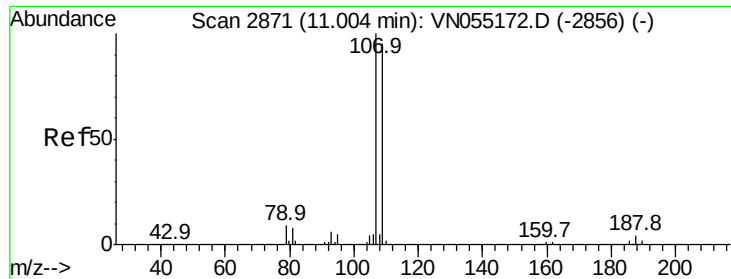
Tgt Ion: 129 Resp: 86074

Ion Ratio Lower Upper

129 100

127 75.4 39.0 117.0





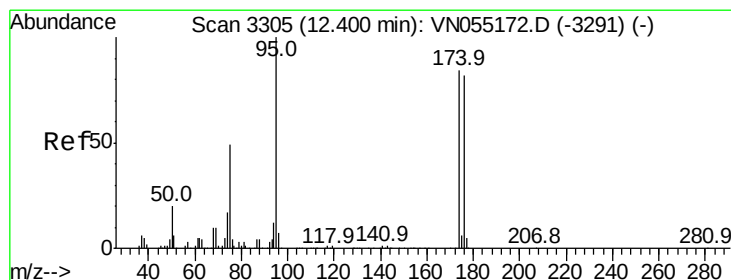
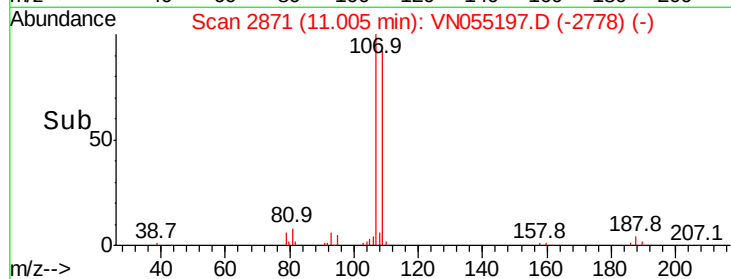
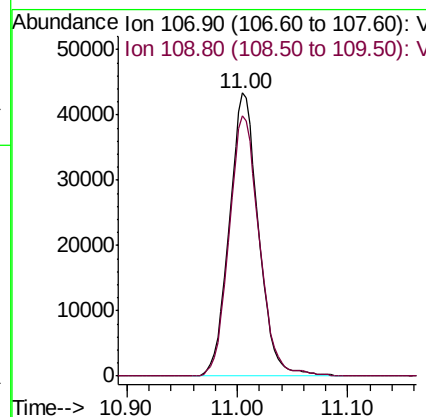
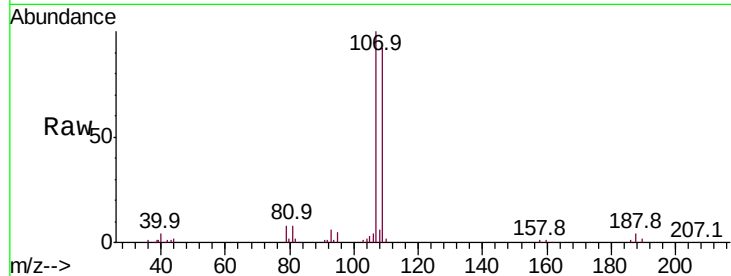
#61
 1,2-Dibromoethane
 Concen: 20.726 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.8	113.6

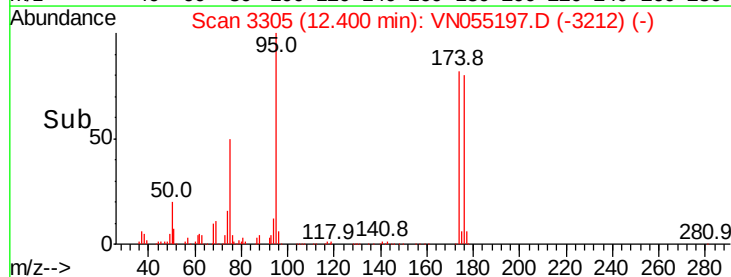
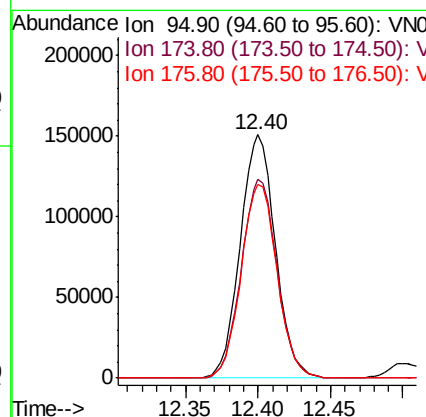
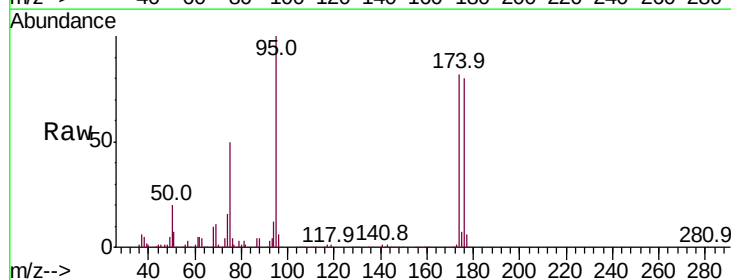
Manual Integrations
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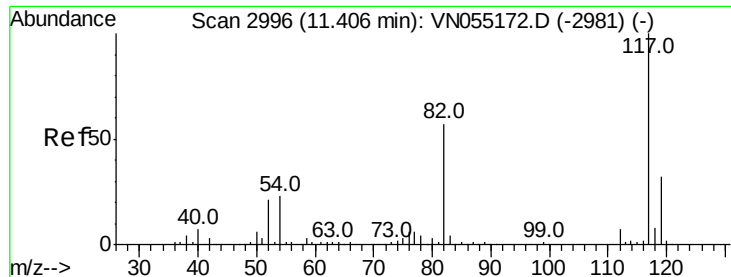
MMDadoda
 4/24/2019 12:44:31 PM



#62
 4-Bromofluorobenzene
 Concen: 48.347 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	168.4
176	81.3	0.0	164.0





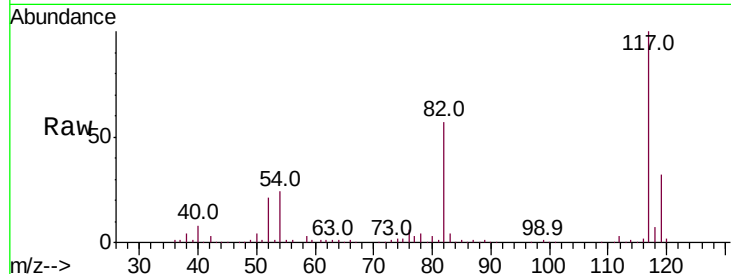
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.7	68.5
119	32.0	25.4	38.2

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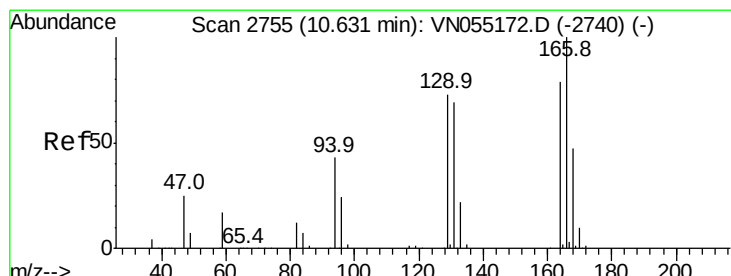
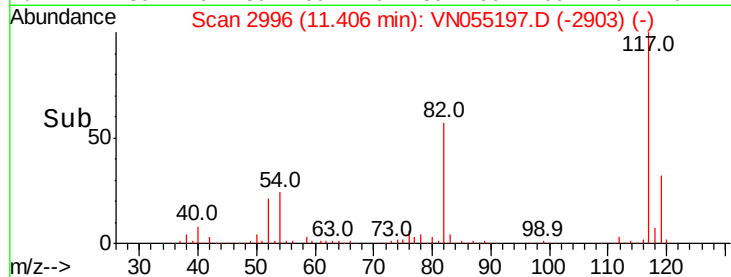
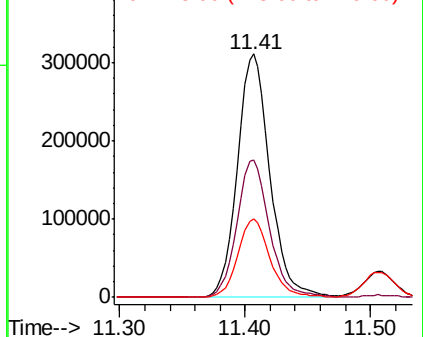


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.761 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	101.9	152.9
129	93.0	74.1	111.1
131	89.3	70.6	106.0

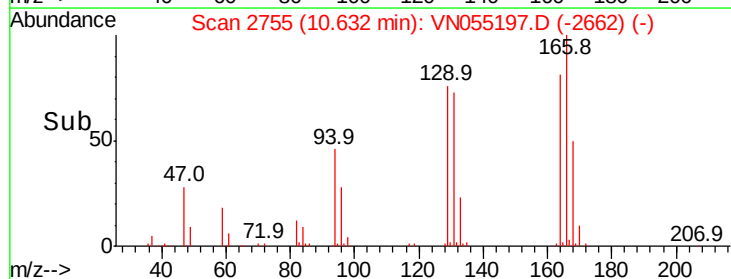
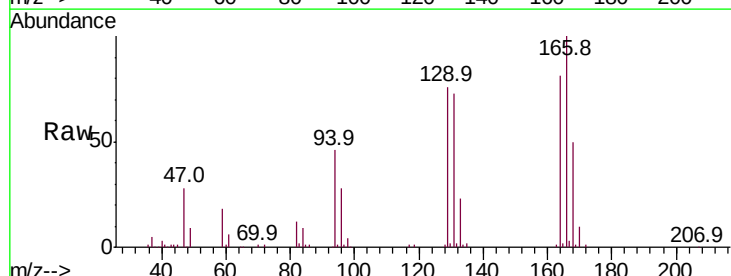
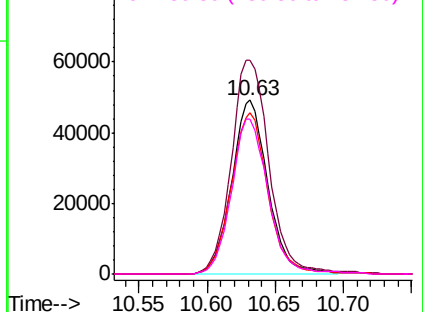
Abundance

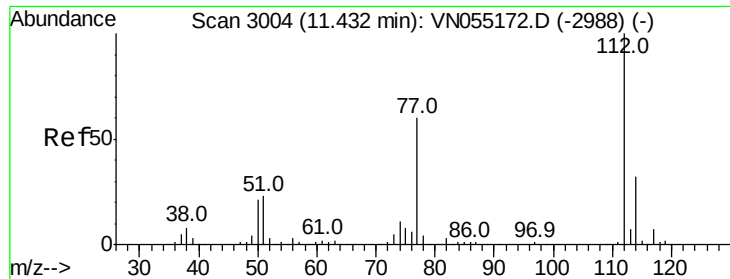
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.681 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

VN0423WBSD01

Tot Ion:112 Resp: 224962

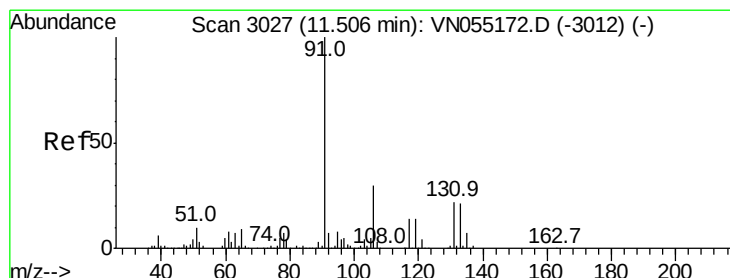
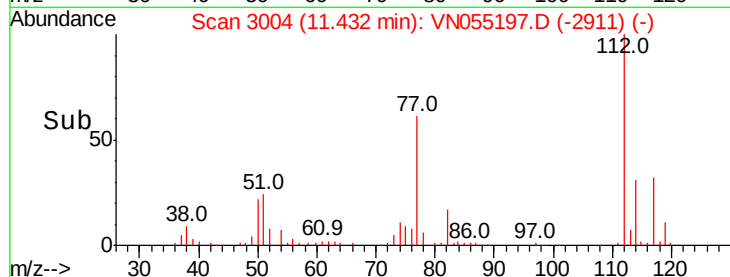
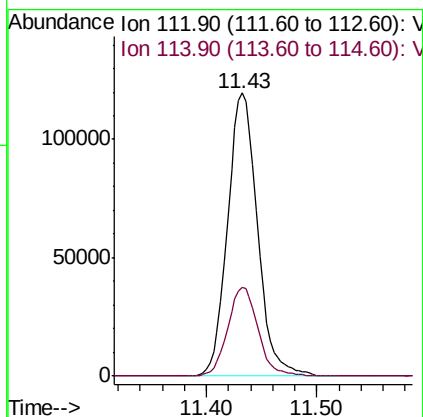
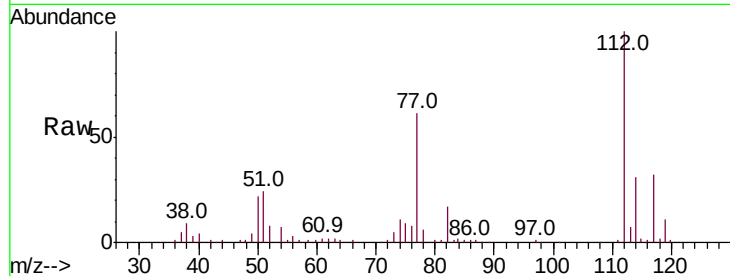
Ion Ratio Lower Upper

112 100

114 31.3 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.018 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

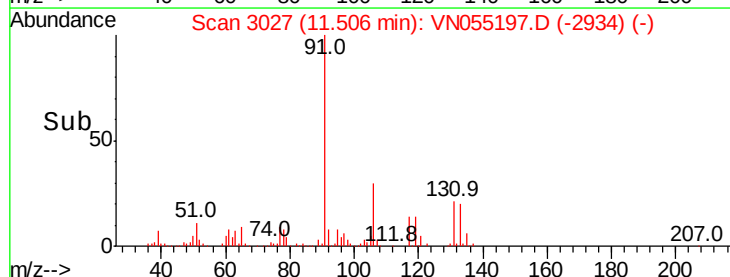
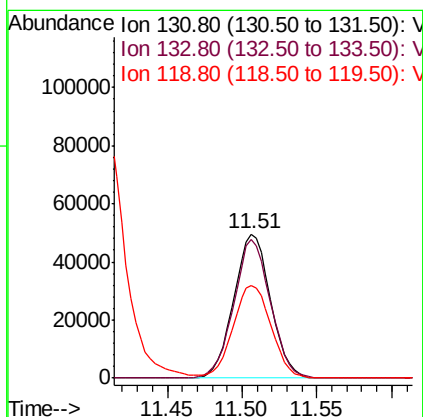
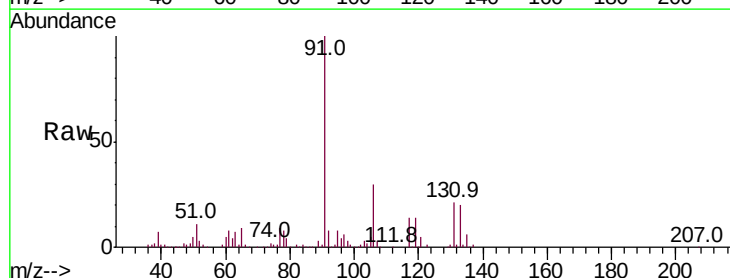
Tgt Ion:131 Resp: 84803

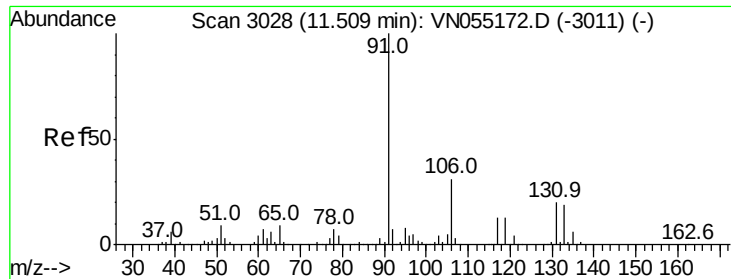
Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

119 66.8 33.2 99.6





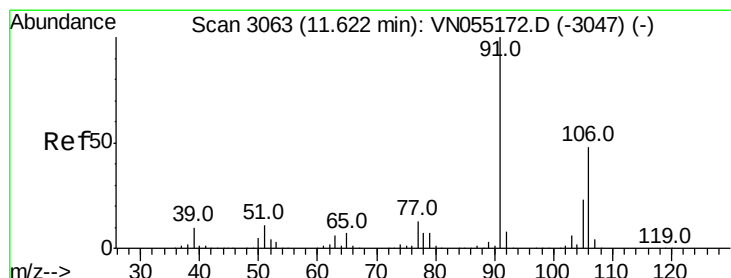
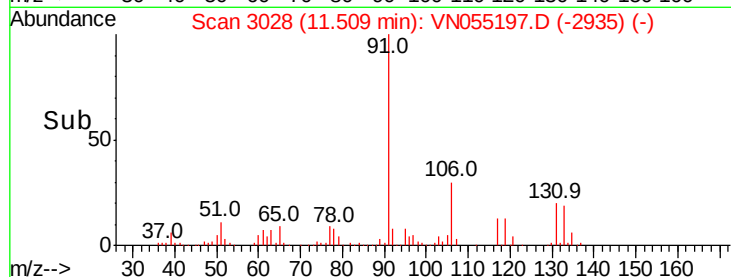
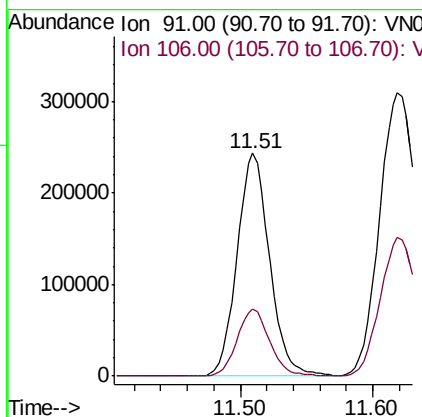
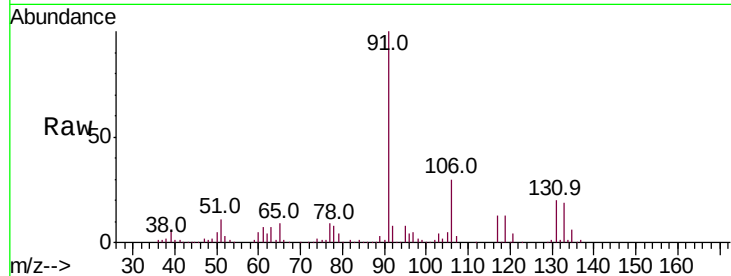
#67
Ethyl Benzene
Concen: 20.304 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0423WBSD01

Tot Ion: 91 Resp: 413401
Ion Ratio Lower Upper
91 100
106 29.9 24.5 36.7

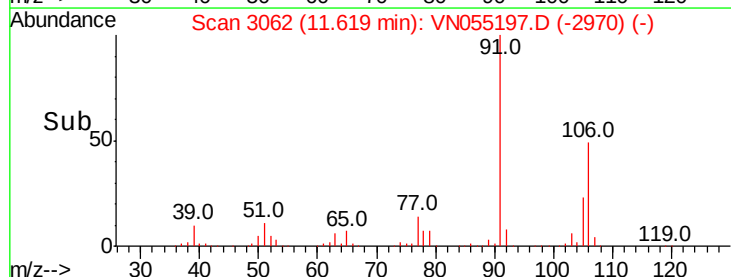
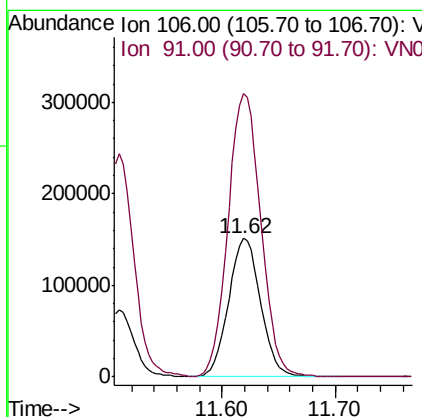
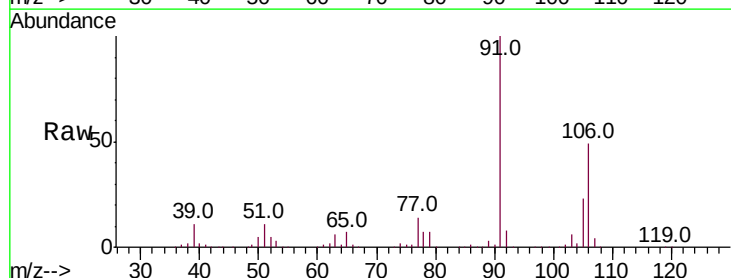
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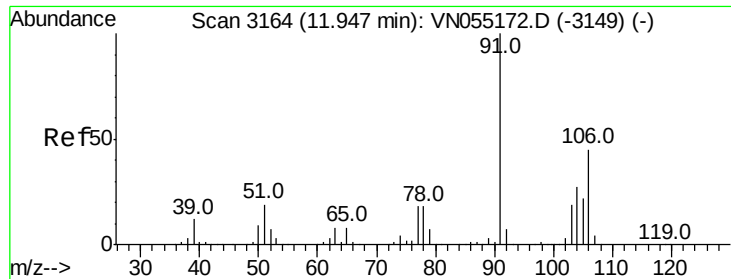
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#68
m/p-Xylenes
Concen: 40.845 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion: 106 Resp: 298281
Ion Ratio Lower Upper
106 100
91 208.7 167.1 250.7





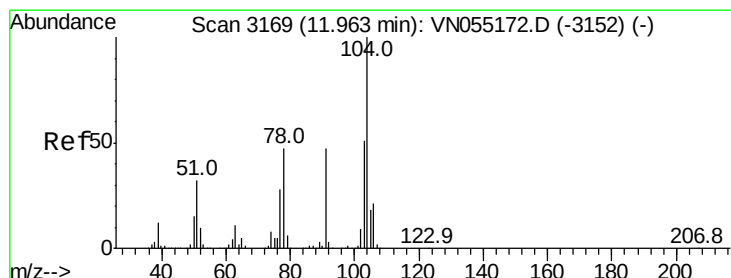
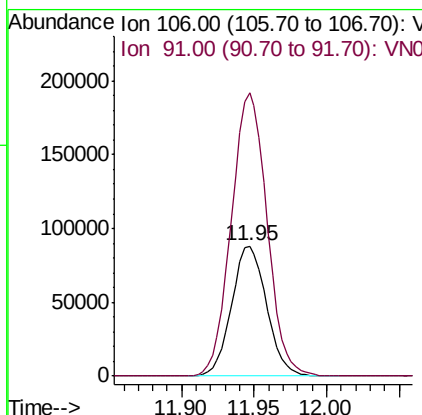
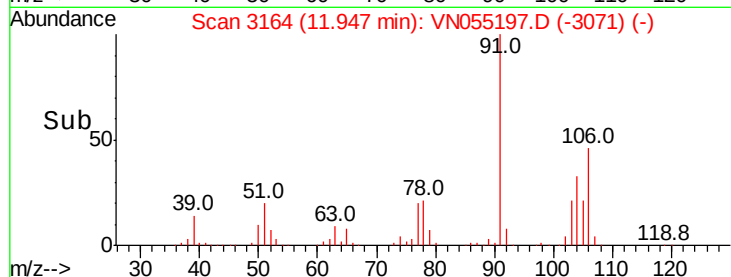
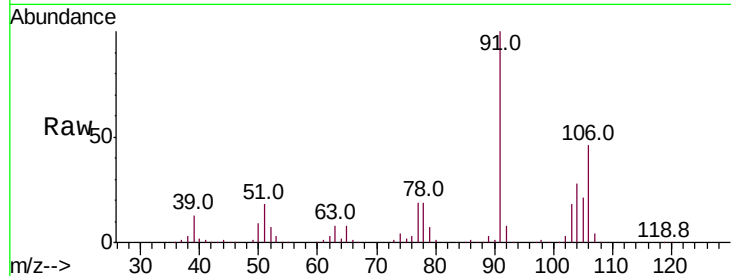
#69
o-Xylene
Concen: 20.396 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0423WBSD01

Tot Ion:106 Resp: 147815
Ion Ratio Lower Upper
106 100
91 222.0 110.6 331.8

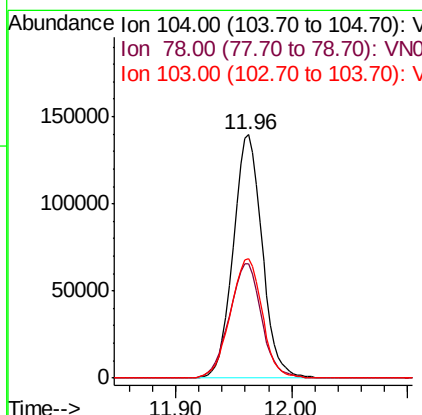
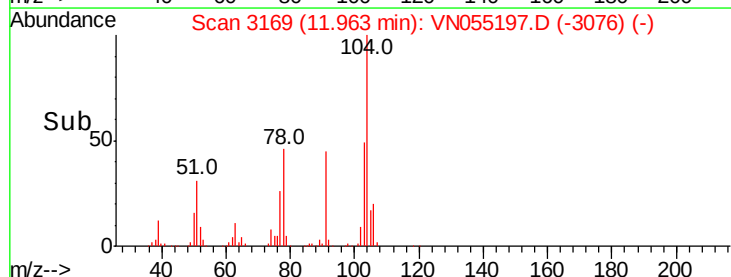
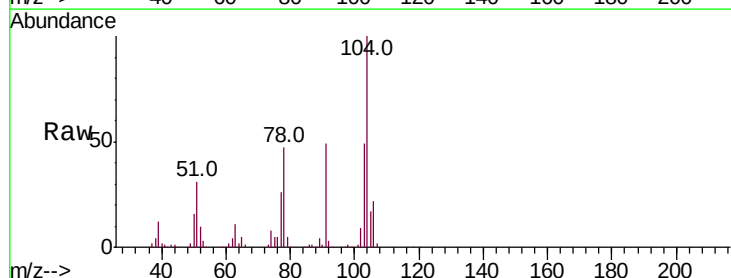
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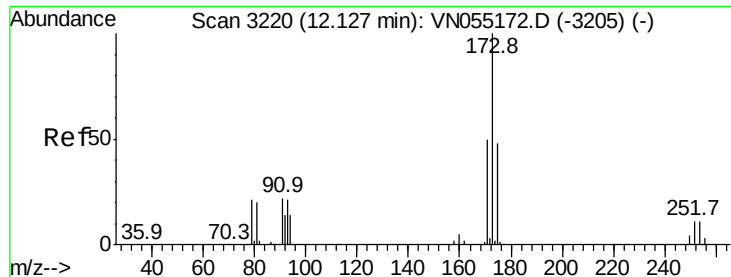
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#70
Styrene
Concen: 21.374 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion:104 Resp: 240111
Ion Ratio Lower Upper
104 100
78 52.2 41.3 61.9
103 53.9 44.2 66.4





#71

Bromoform

Concen: 20.281 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

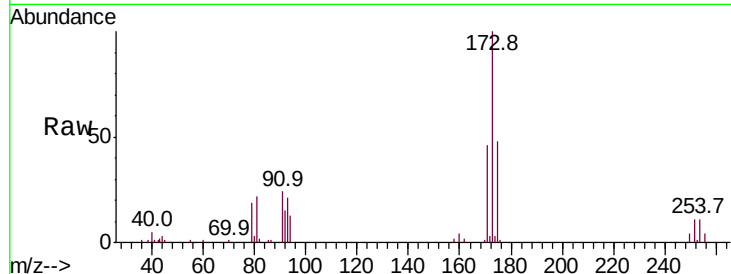
ClientSampleId :

VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
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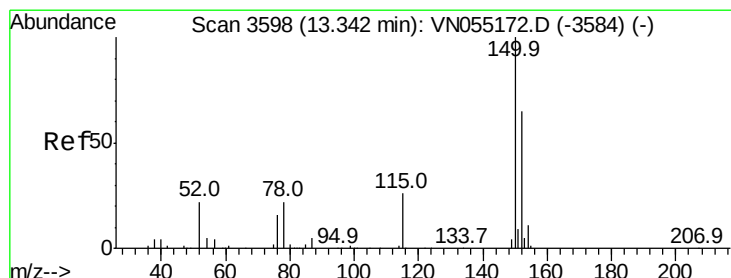
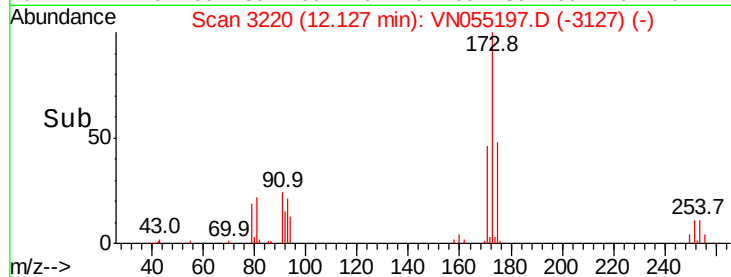
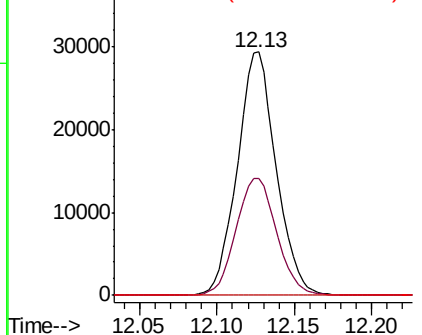


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

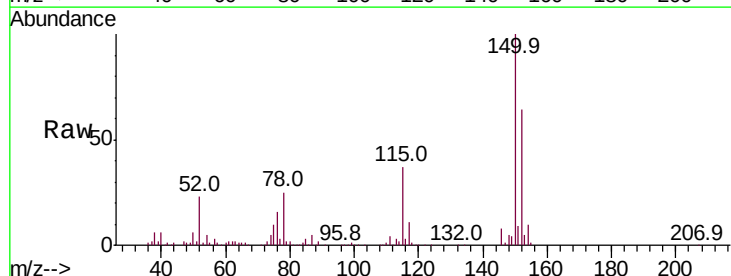
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	163.2	0.0	346.6

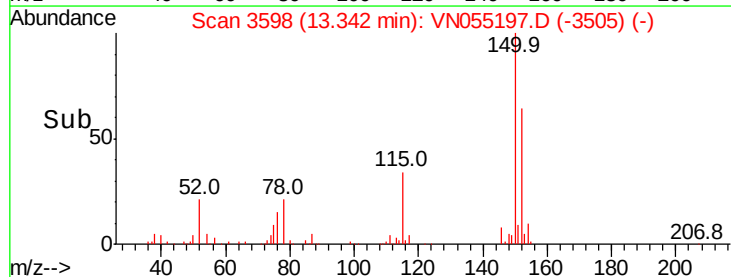
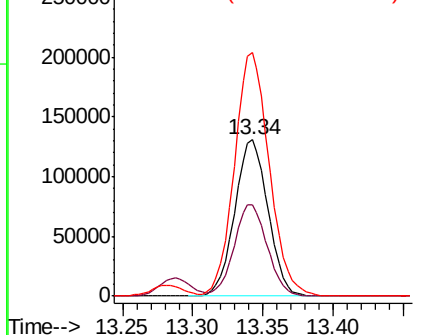


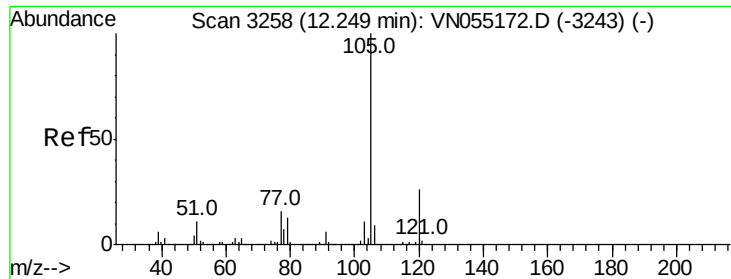
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.607 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

VN0423WBSD01

Tot Ion:105 Resp: 397131

Ion Ratio Lower Upper

105 100

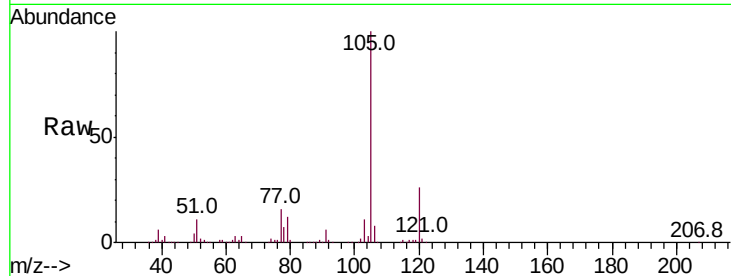
120 25.3 13.1 39.1

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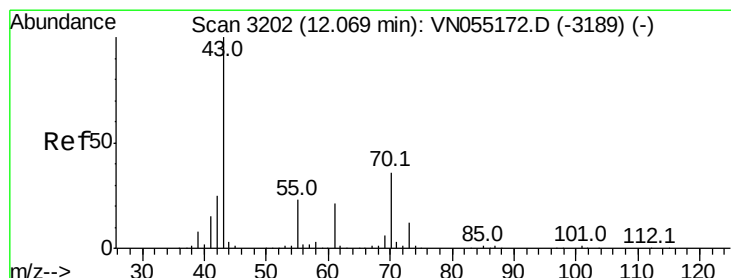
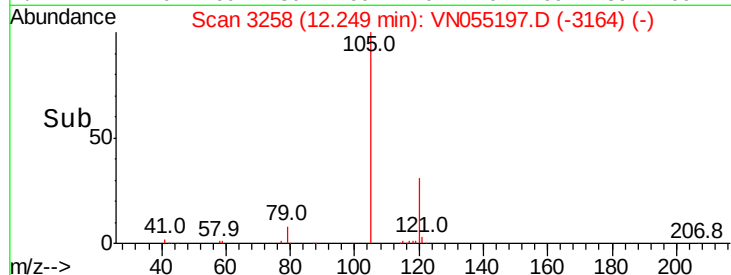
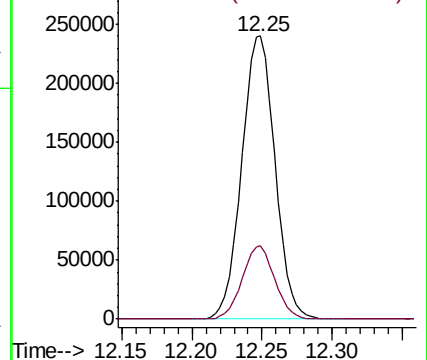
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.590 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Tgt Ion: 43 Resp: 114636

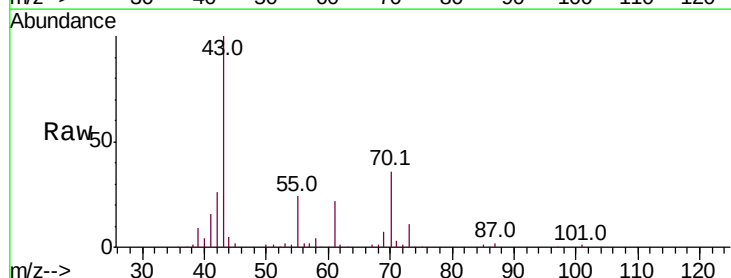
Ion Ratio Lower Upper

43 100

70 36.4 29.0 43.6

55 23.8 18.5 27.7

61 22.1 17.0 25.4

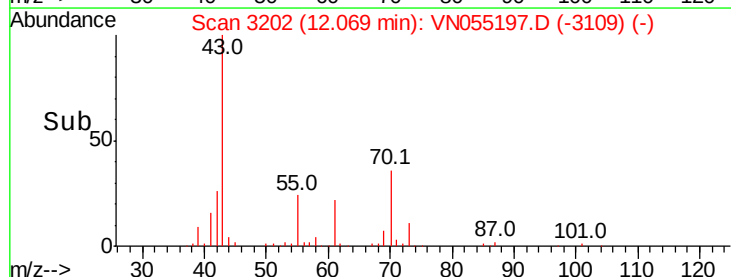
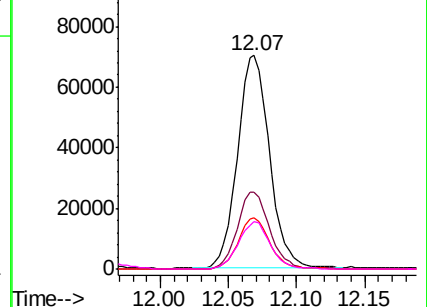


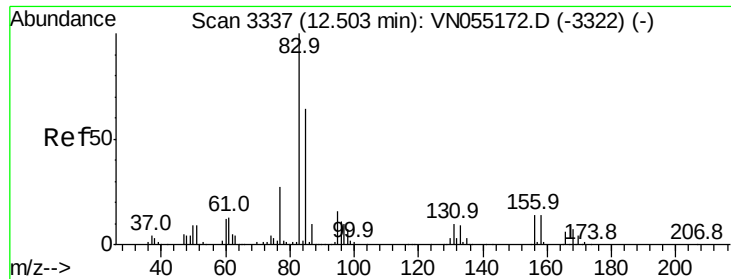
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.166 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

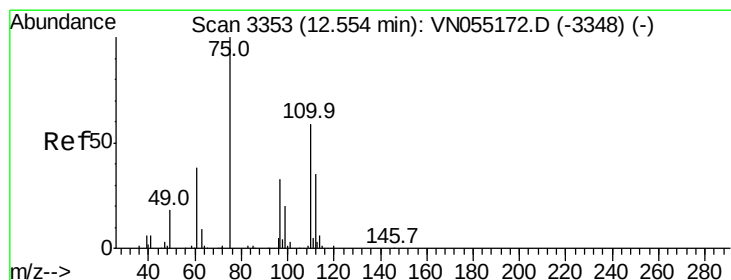
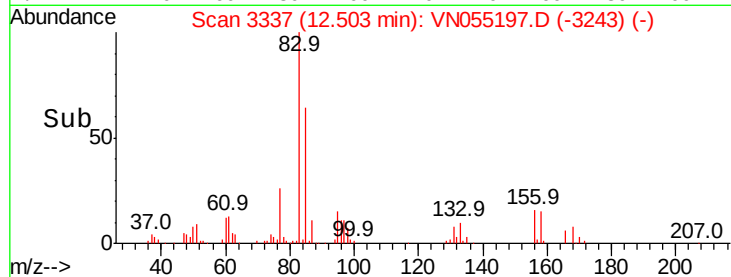
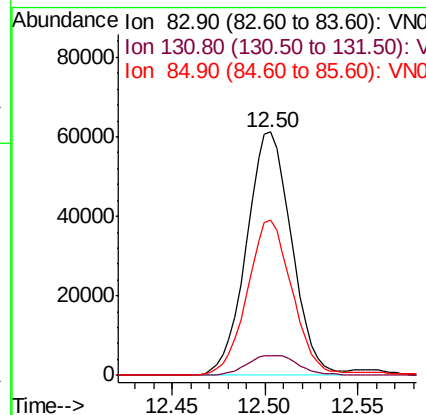
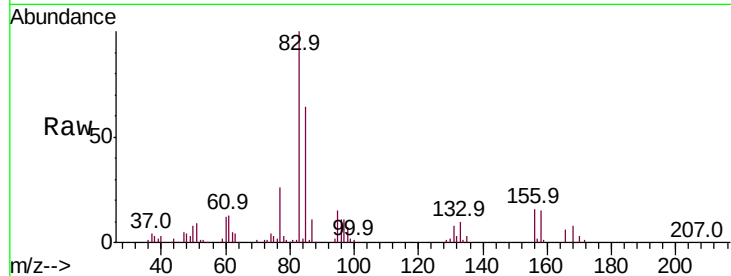
ClientSampleId :

VN0423WBSD01

Tot Ion:	83	Resp:	103313
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	15.0
85	63.5	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.601 ug/l m

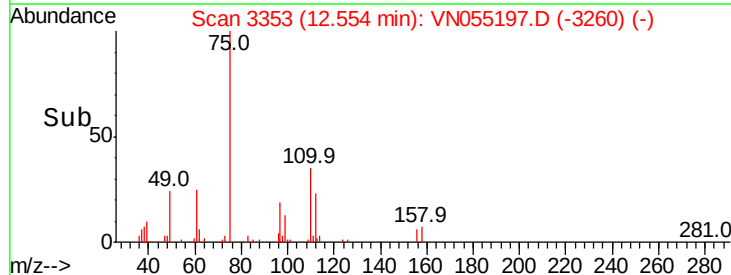
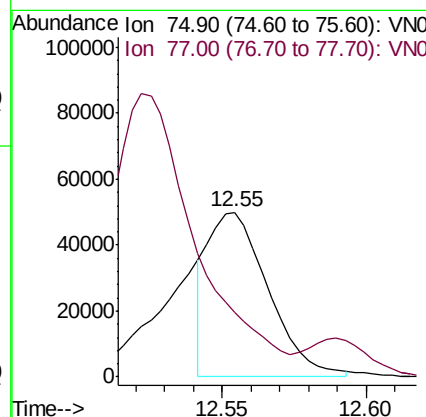
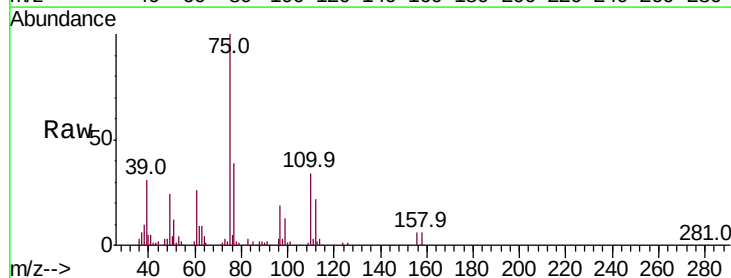
RT: 12.55 min Scan# 3353

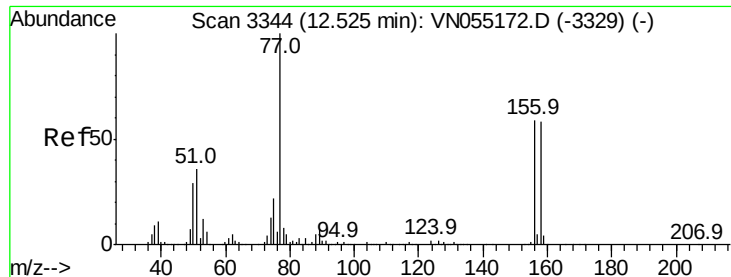
Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	75	Resp:	72728
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.434 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0423WBSD01

Tot Ion:156 Resp: 92648

Ion Ratio Lower Upper

156 100

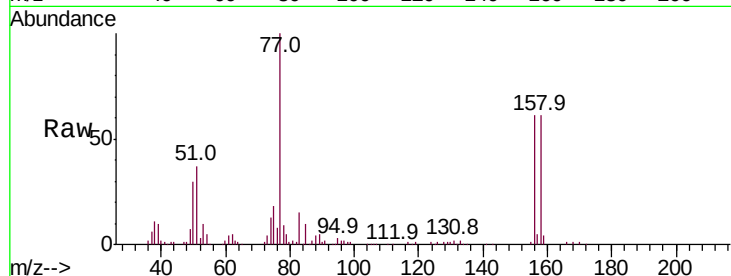
77 194.3 98.0 293.9

158 99.7 48.9 146.8

Manual Integrations
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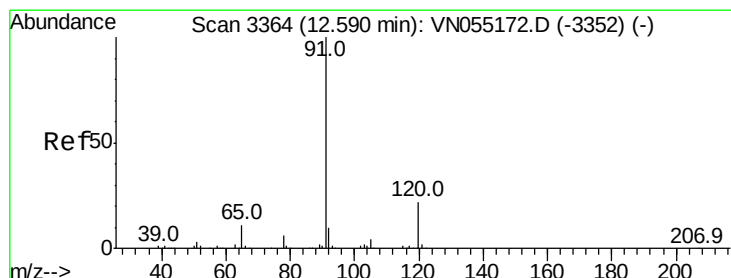
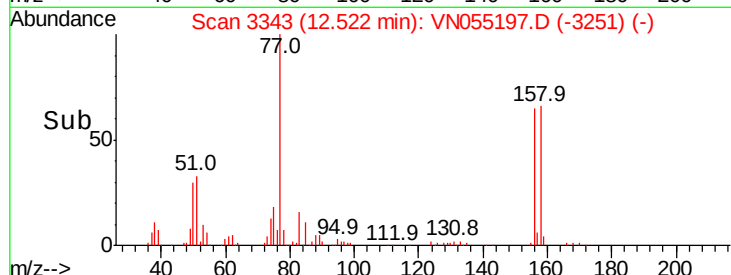
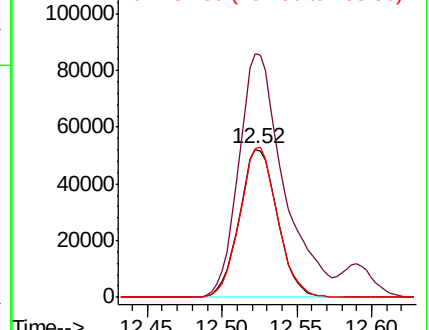
4/24/2019 12:44:31 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.877 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055197.D

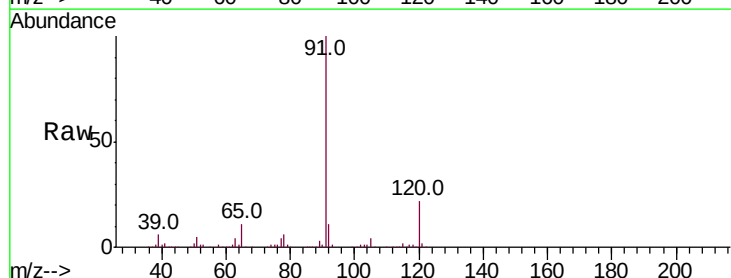
Acq: 23 Apr 2019 11:23

Tgt Ion: 91 Resp: 430451

Ion Ratio Lower Upper

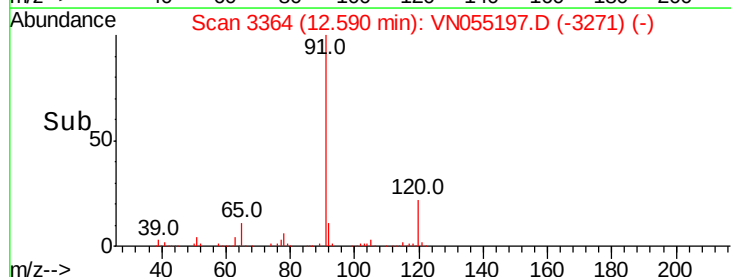
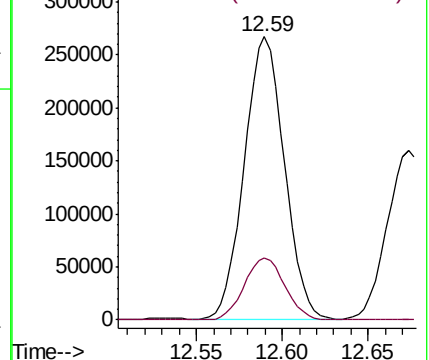
91 100

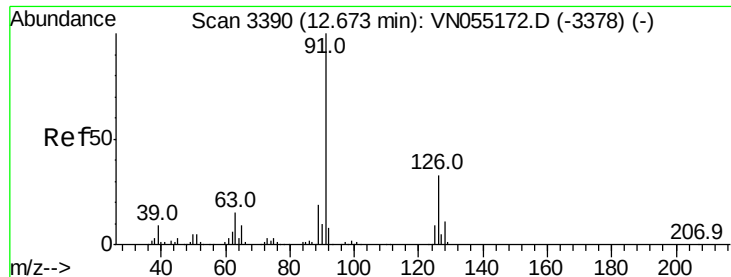
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.530 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

VN0423WBSD01

Tot Ion: 91 Resp: 267062

Ion Ratio Lower Upper

91 100

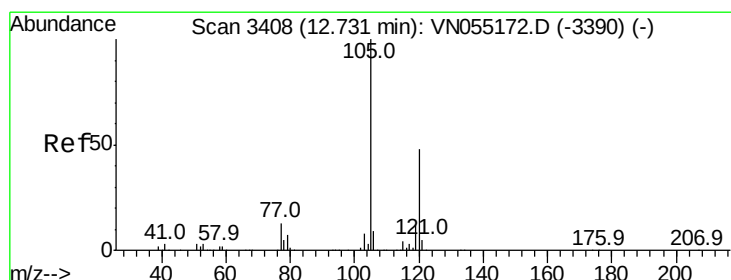
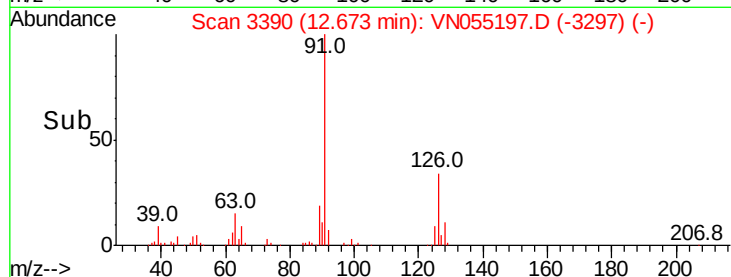
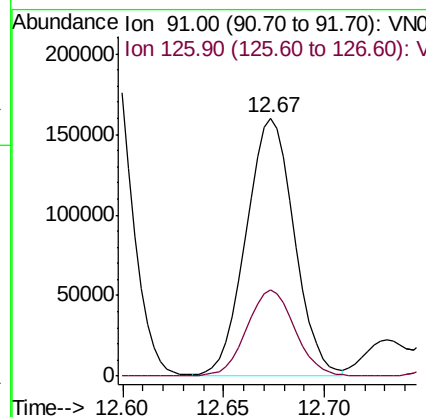
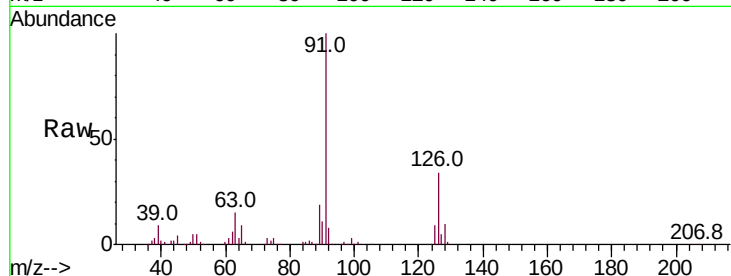
126 33.4 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.911 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055197.D

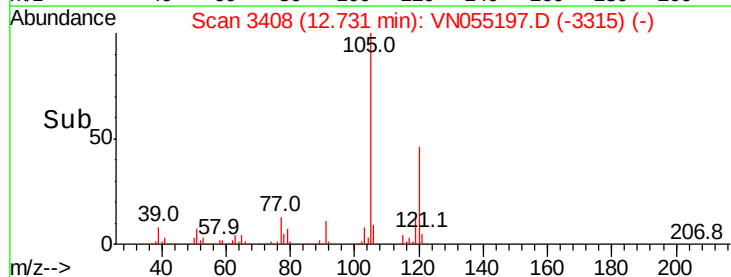
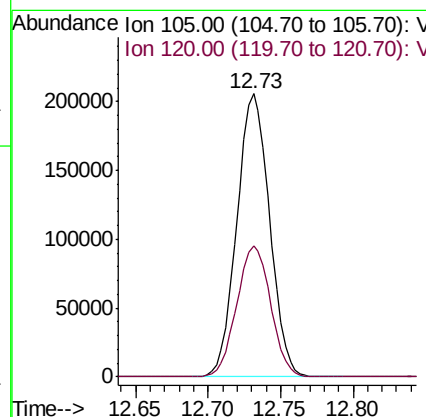
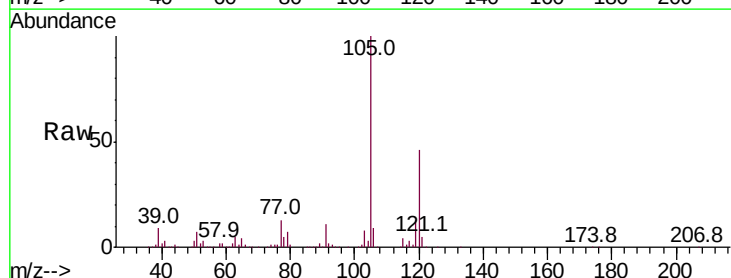
Acq: 23 Apr 2019 11:23

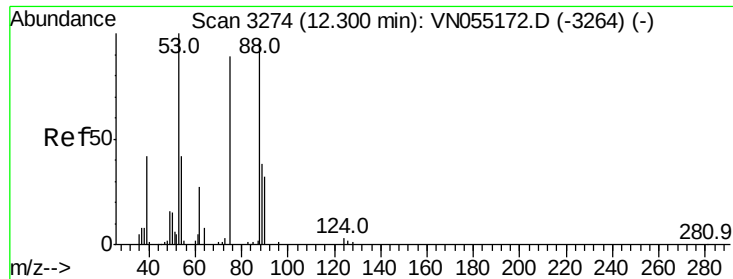
Tgt Ion: 105 Resp: 321873

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7





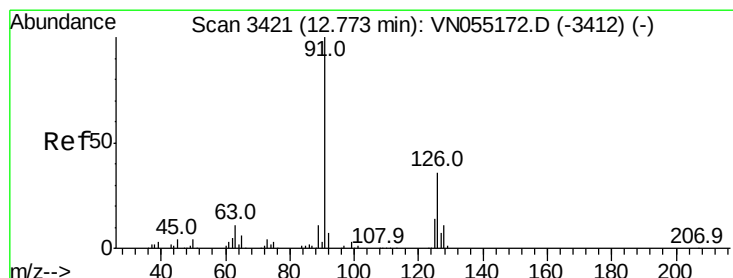
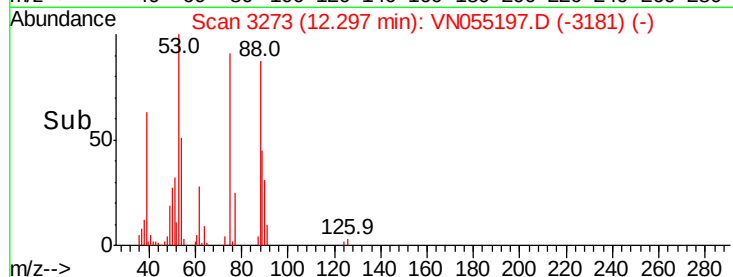
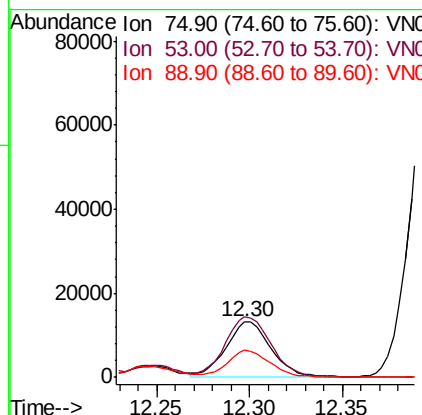
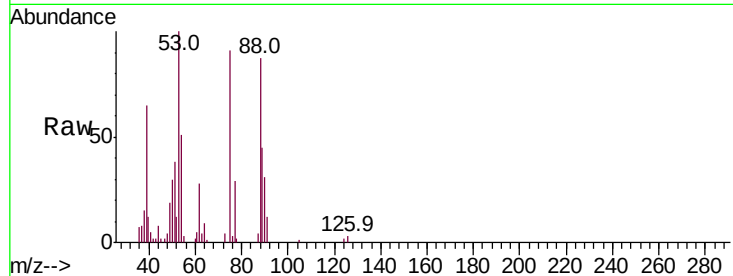
#81
trans-1,4-Dichloro-2-butene
Concen: 19.353 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.5	90.1	135.1
89	46.2	36.7	55.1

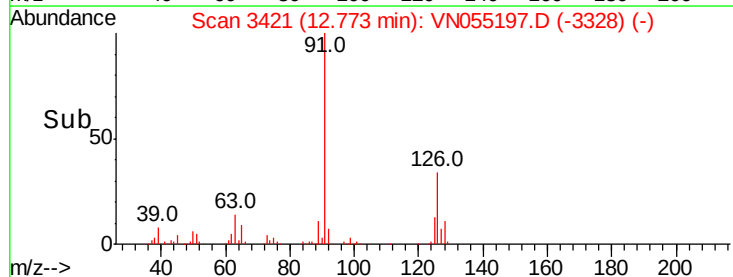
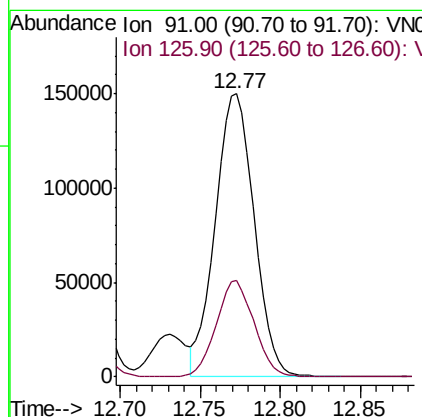
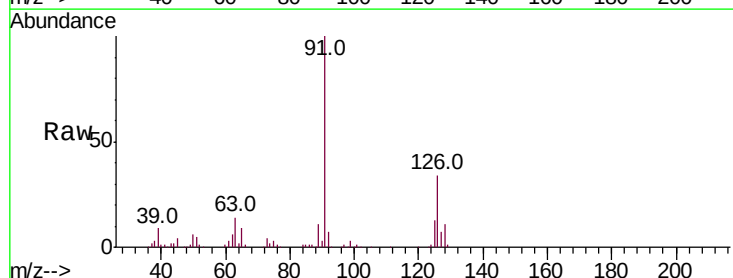
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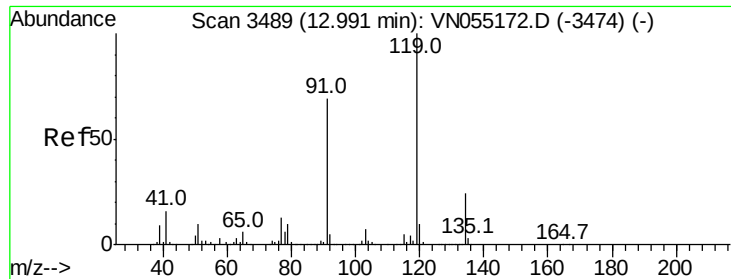
MMDadoda
4/24/2019 12:44:31 PM



#82
4-Chlorotoluene
Concen: 19.920 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





#83

tert-Butylbenzene

Concen: 21.261 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

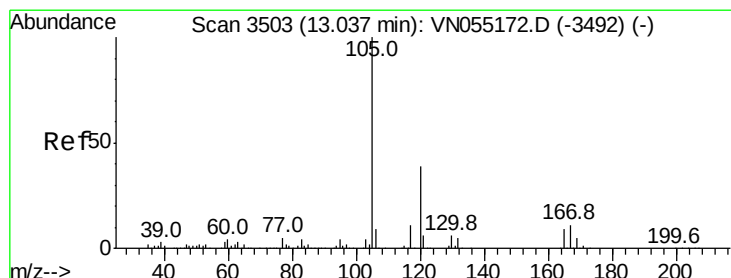
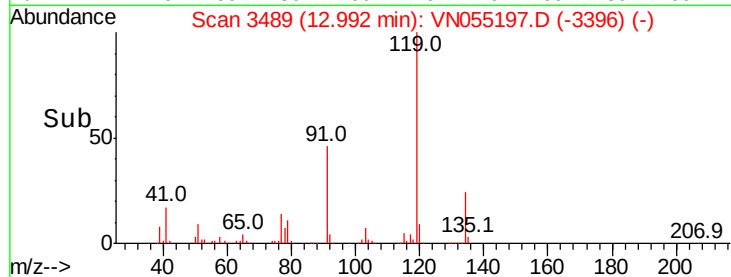
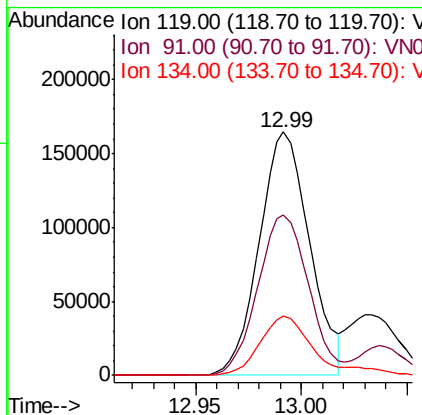
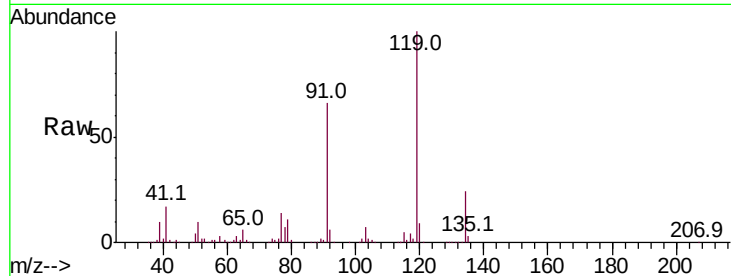
ClientSampled :

VN0423WBSD01

Tot Ion:	119	Resp:	273606
Ion Ratio	Lower	Upper	
119	100		
91	66.8	33.8	101.3
134	26.2	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.910 ug/l

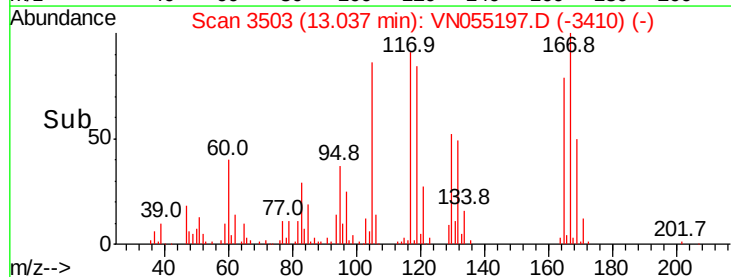
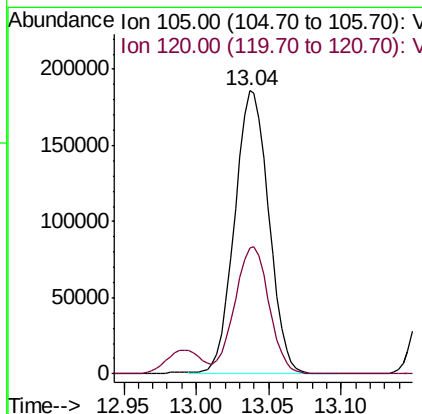
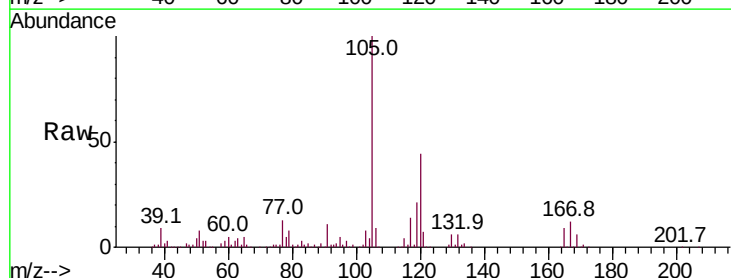
RT: 13.04 min Scan# 3503

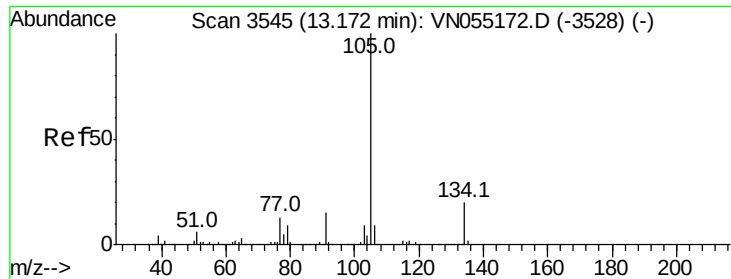
Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	105	Resp:	303727
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.7	68.1





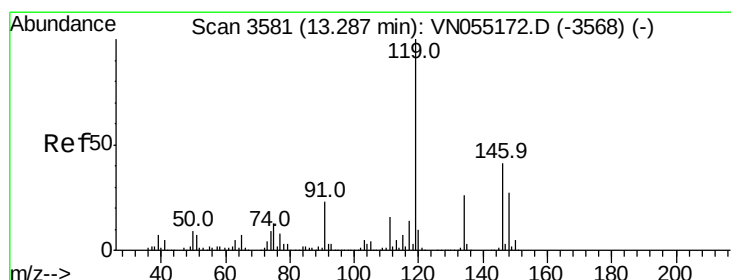
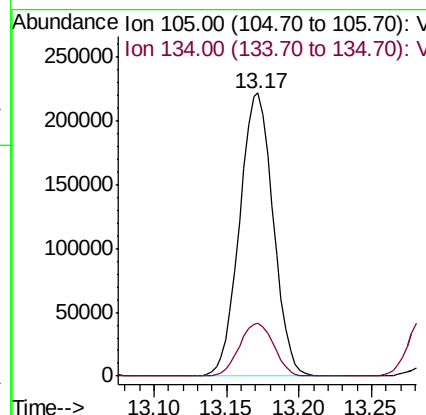
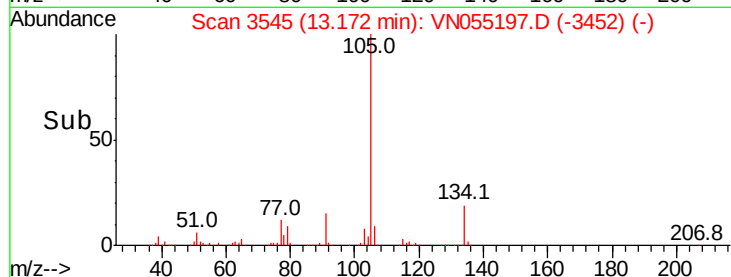
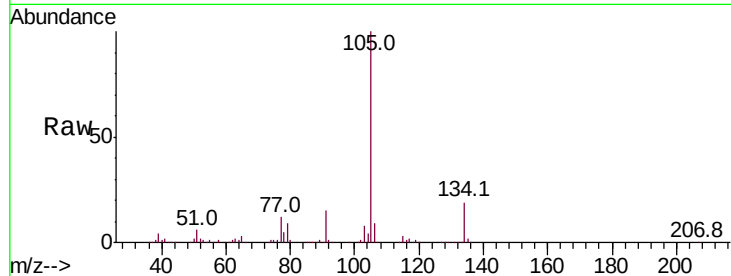
#85
 sec-Butylbenzene
 Concen: 19.539 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	10.0	30.0

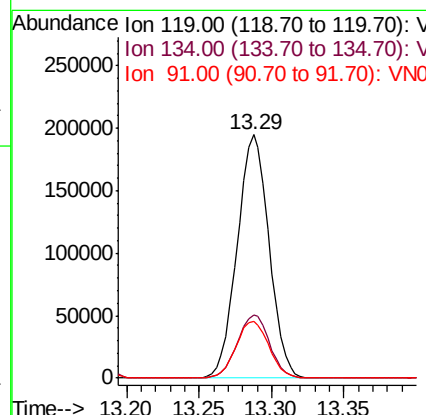
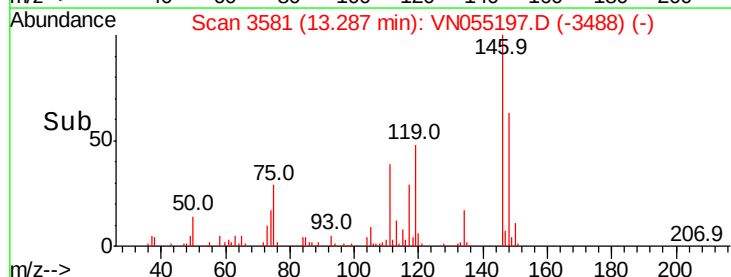
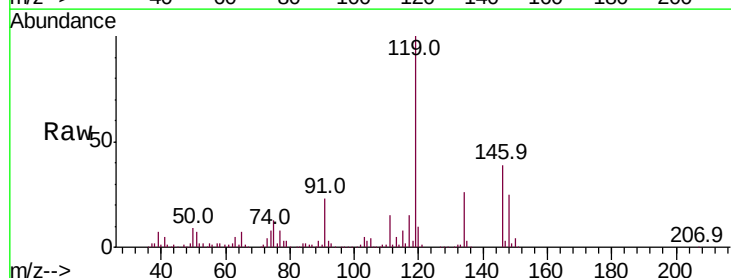
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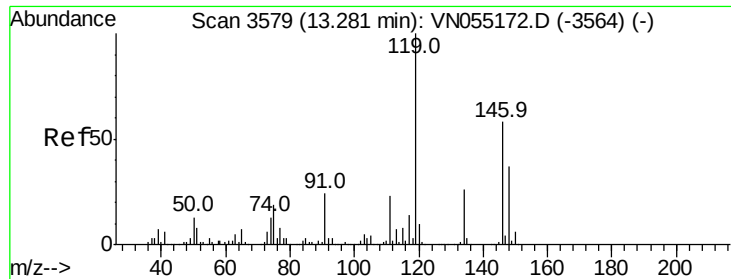
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 4/24/2019 12:44:31 PM



#86
 p-Isopropyltoluene
 Concen: 19.690 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	24.4	11.8	35.3





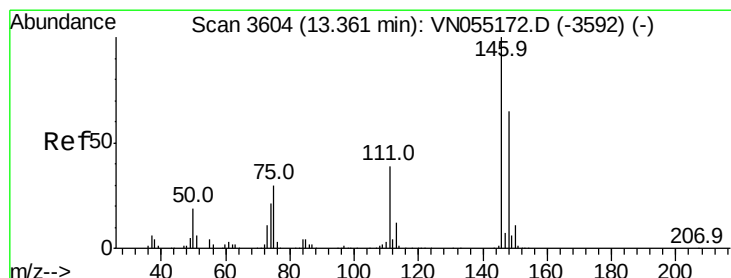
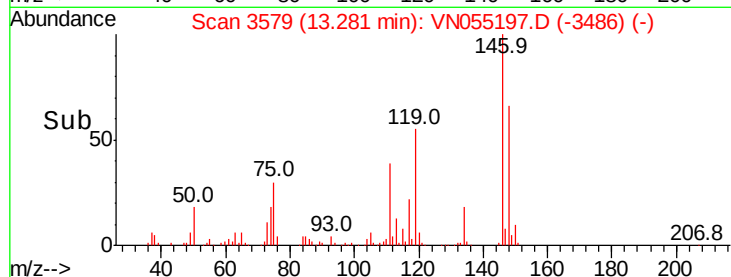
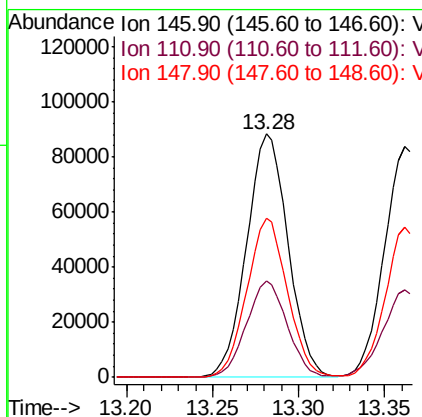
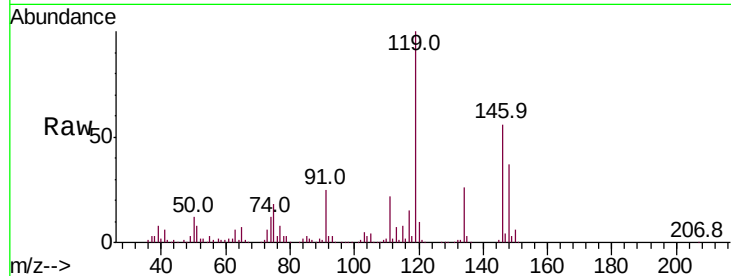
#87
 1,3-Dichlorobenzene
 Concen: 20.219 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	63.8	32.0	96.0

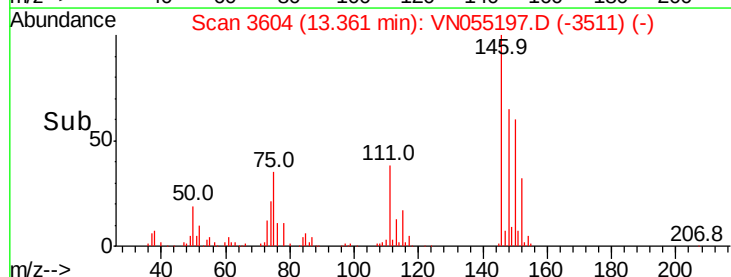
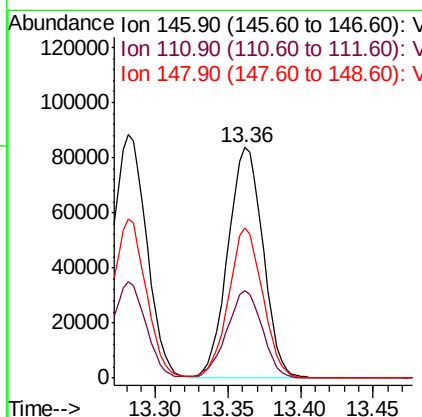
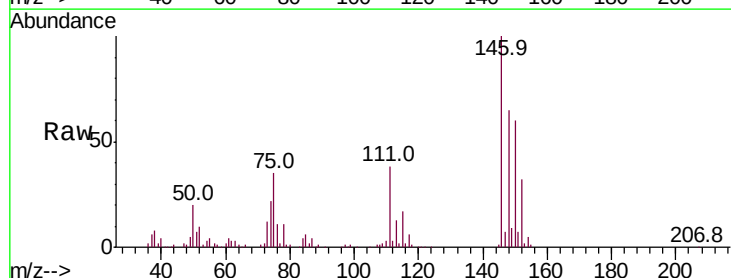
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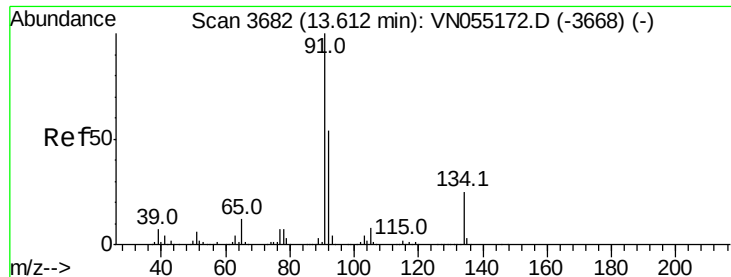
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#88
 1,4-Dichlorobenzene
 Concen: 19.752 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.2
148	63.2	32.9	98.6





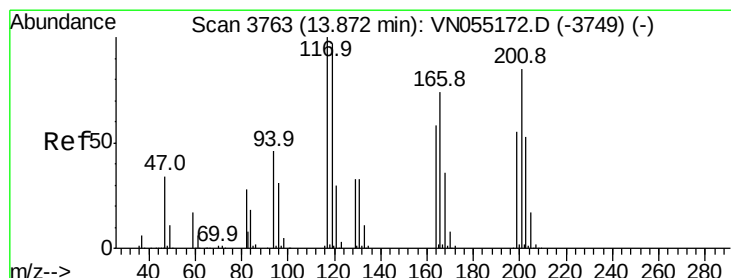
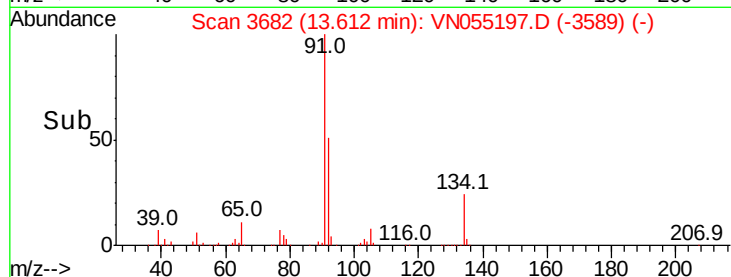
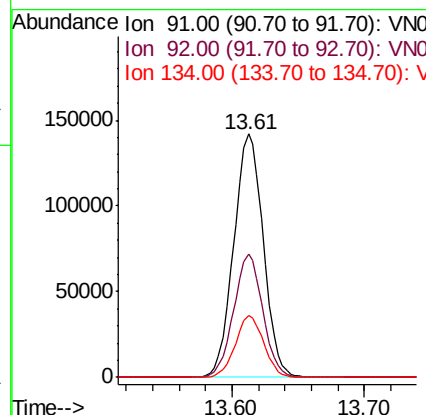
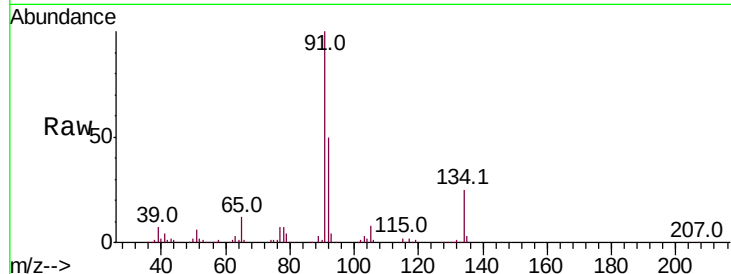
#89
n-Butylbenzene
Concen: 19.689 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.4	79.2
134	24.3	12.8	38.4

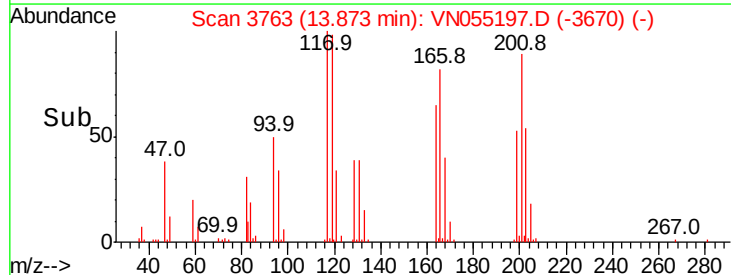
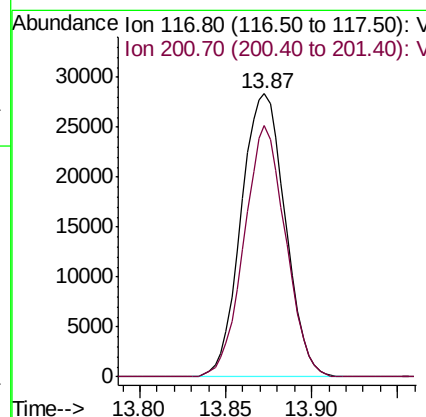
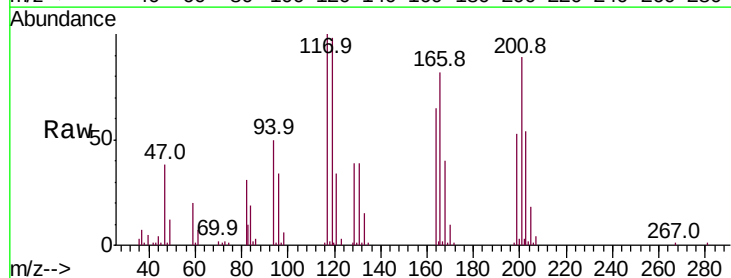
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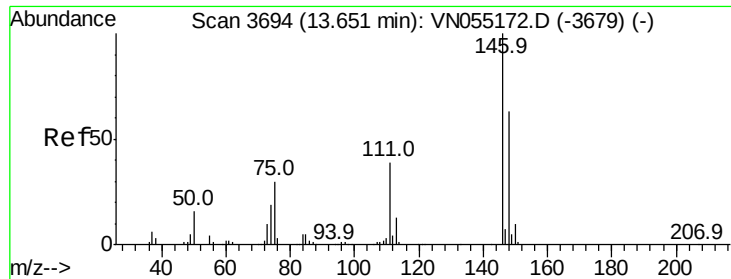
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#90
Hexachloroethane
Concen: 18.893 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055197.D
Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	43.1	129.4





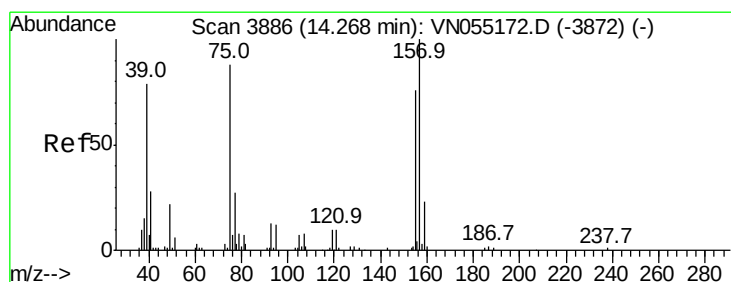
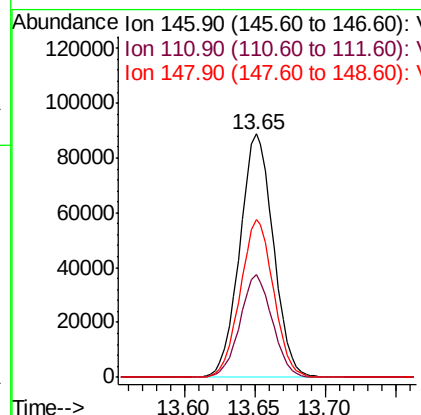
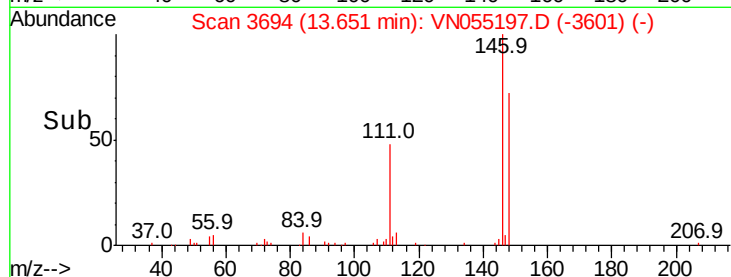
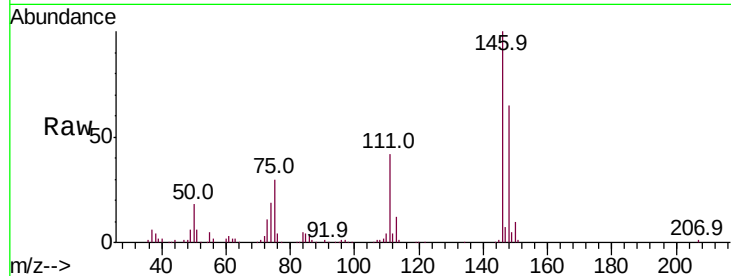
#91
 1,2-Dichlorobenzene
 Concen: 19.690 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.3
148	64.1	31.7	95.1

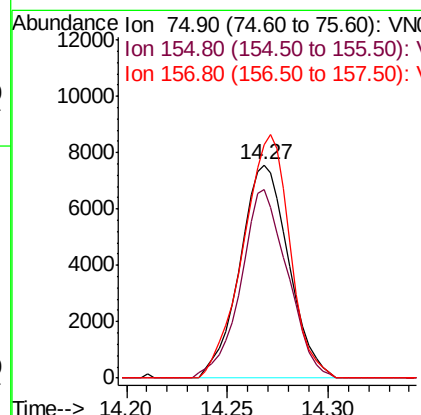
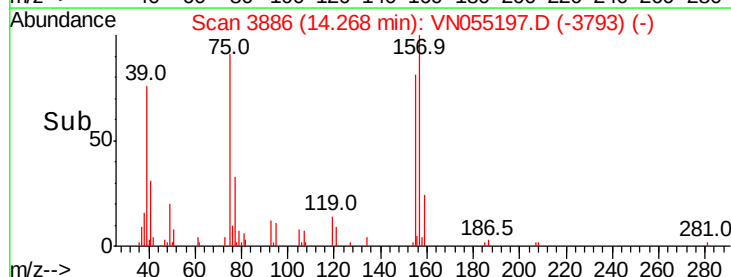
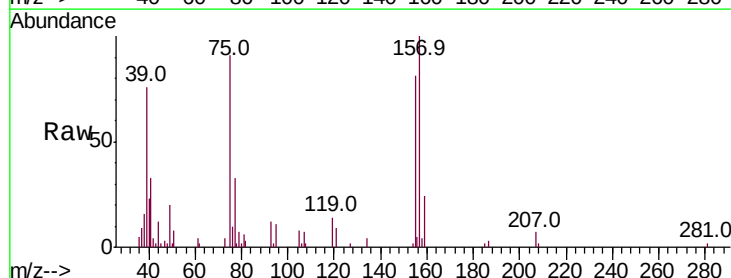
Manual Integrations
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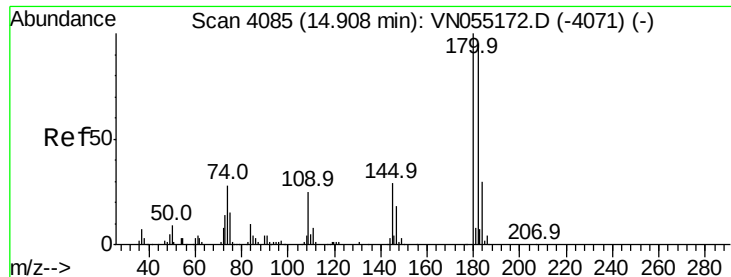
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 4/24/2019 12:44:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.546 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055197.D
 Acq: 23 Apr 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	43.0	129.0
157	109.5	55.7	167.1





#93

1,2,4-Trichlorobenzene

Concen: 17.459 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

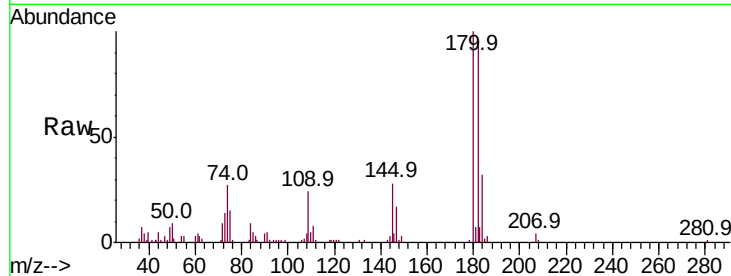
ClientSampleId :

VN0423WBSD01

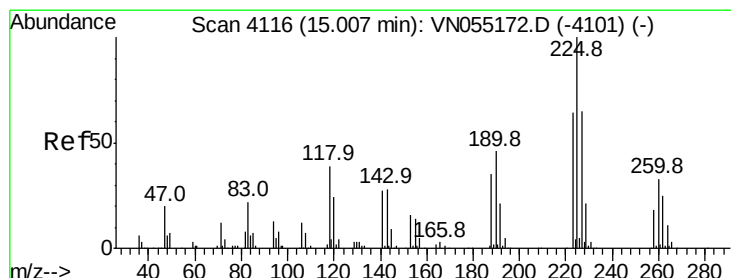
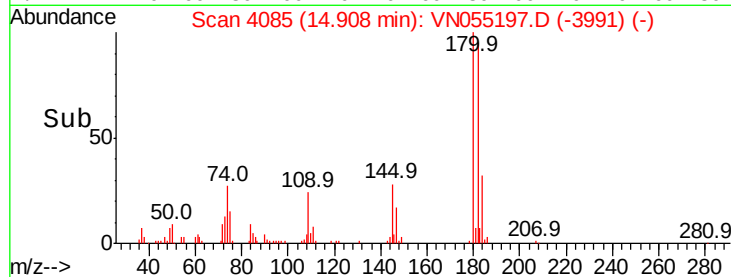
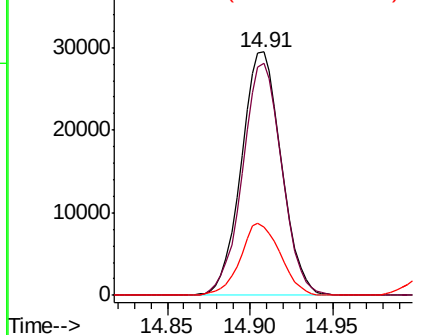
Tot Ion:	180	Resp:	49456
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.8	143.4
145	29.4	14.5	43.5

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.656 ug/l

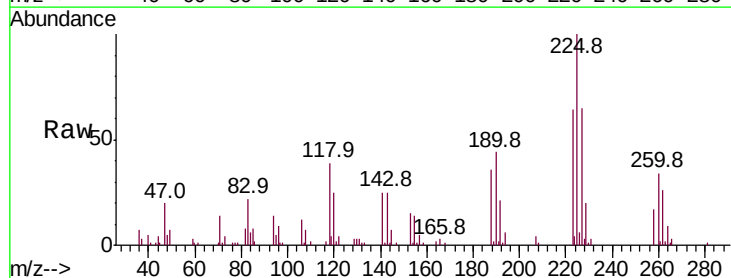
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

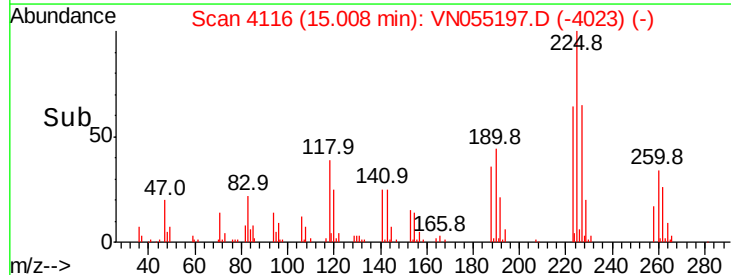
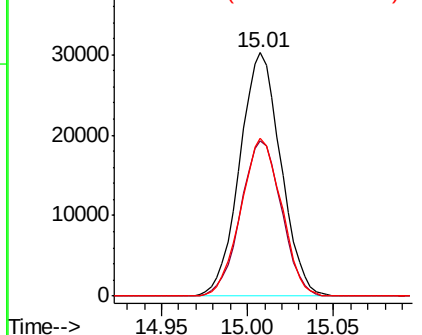
Lab File: VN055197.D

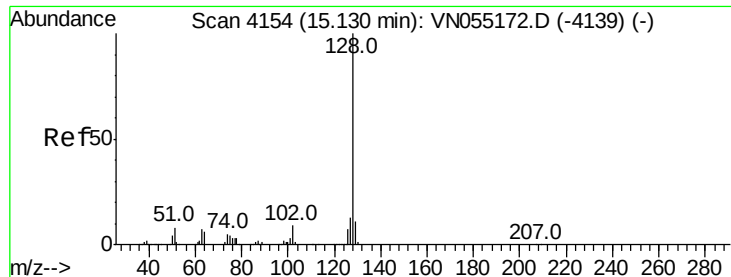
Acq: 23 Apr 2019 11:23

Tgt Ion:	225	Resp:	50263
Ion Ratio	Lower	Upper	
225	100		
223	63.0	32.2	96.6
227	63.9	32.6	98.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.984 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Instrument :

MSVOA_N

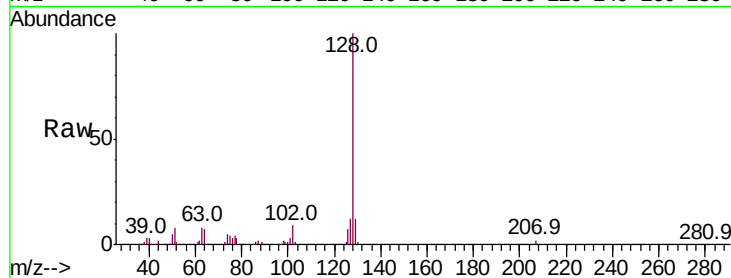
ClientSampleId :

VN0423WBSD01

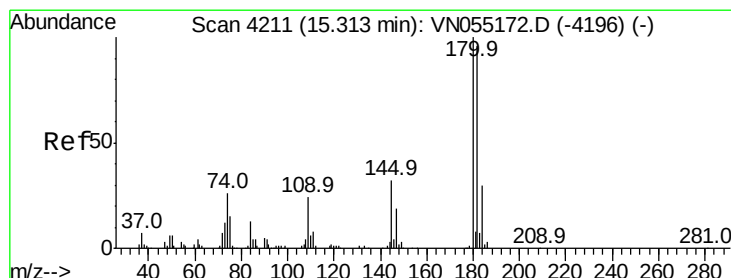
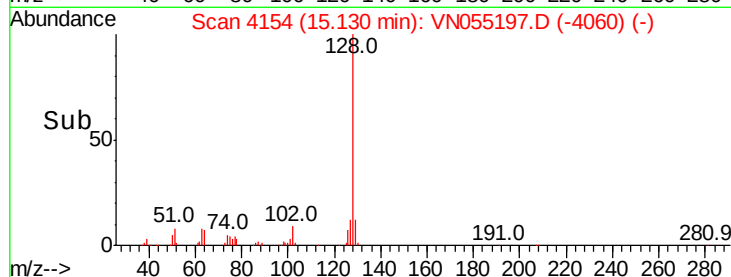
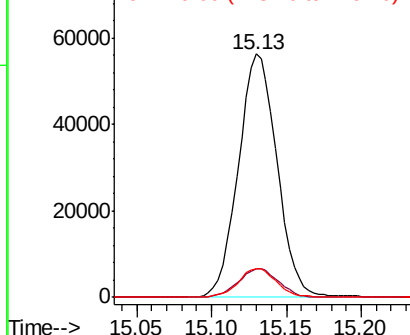
Tot Ion:	128	Resp:	101226
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.3	15.5
129	11.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/24/2019 12:44:31 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.885 ug/l

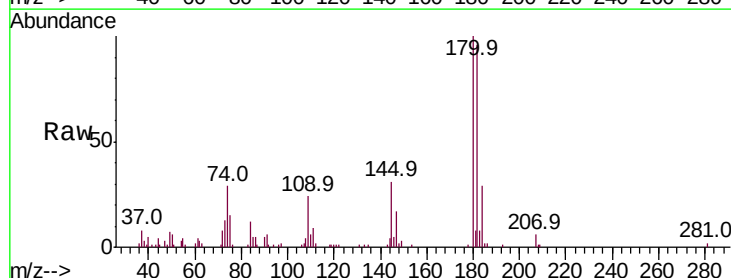
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055197.D

Acq: 23 Apr 2019 11:23

Tgt Ion:	180	Resp:	51914
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.2	141.6
145	31.5	15.4	46.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

